



Hewlett Packard
Enterprise

HPE Comware 7 NETCONF XML API Reference

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AP

AP/GlobalCfg

This table contains the informations of global.

XML structure

```
<AP>
  <GlobalCfg>
    <AutoAp></AutoAp>
    <AutoPersistent></AutoPersistent>
    <RegionCode></RegionCode>
    <RegionLock></RegionLock>
    <Preempt></Preempt>

    <FirmwareUpgrade></FirmwareUpgrade>

    <TunnelEncryption></TunnelEncryption>
    <Gps></Gps>
    <LocalAC></LocalAC>
    <CentralACIPv4></CentralACIPv4>
    <CentralACIPv6></CentralACIPv6>
    <ControlAddress></ControlAddress>
    <ControlAddressIPv4></ControlAddressIPv4>
    <ControlAddressIPv6></ControlAddressIPv6>
  </GlobalCfg>
</AP>
```

Table description

Item	Description
Feature name	AP
Table name	GlobalCfg
Table type	Single-instance table
Row name	N/A
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AutoAp	Whether an AP can connect the AC without creating a manual AP.	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. Default value is false.	N/A
AutoPersistent	When an auto AP connects the AC , whether convert the AP to manual AP automatically.	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. Default value is false.	N/A
RegionCode	Region code of AP group.	N/A	Unsigned short.	Conform to ISO 3166 standard.
RegionLock	Whether the region code of the AC is locked	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. Default value is false.	N/A
Preempt	Whether the AP in this group will be forced to switch the backup tunnel to active by priority.	N/A	Boolean: <ul style="list-style-type: none"> true: Switch false: Not switch Default value is false.	N/A
FirmwareUpgrade	Whether the AC will upgrade AP's firmware automatically if the software is mismatch.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable false—Disable Default value is disable.	N/A
TunnelEncryption	Whether to enable tunnel encryption.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable false—Disable 	N/A
Gps	Whether to open the Gps report switch.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable false—Disable 	Only for FatAP Type
LocalAC	Whether to enable Local ac.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable false—Disable 	Only for Local-ac Type
CentralACIPv4	The IPv4 Central AC address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1. Only for Local-ac Type
CentralACIPv6	The IPv6 Central AC address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1. Only for Local-ac Type
ControlAddress	CAPWAP control address configuration	N/A	Boolean: <ul style="list-style-type: none"> true—Enable false—Disable 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
ControlAddressIPv4	Specify an AC IPv4 address for AC rediscovery	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
ControlAddressIPv6	Specify an AC IPv4 address for AC rediscovery	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.

AP/ManualAP

This table contains manual AP information.

XML structure

```

<AP>
  <ManualAP>
    <AP>
      <Name></Name>
      <Model></Model>
      <CfgSerialID></CfgSerialID>
      <CfgMacAddress></CfgMacAddress>
      <RegionCode></RegionCode>
      <RegionLock></RegionLock>
      <Priority></Priority>
      <Preempt></Preempt>
      <EchoInterval></EchoInterval>
      <EchoCount></EchoCount>
      <RetransInterval></RetransInterval>
      <RetransCount></RetransCount>
      <StatisInterval></StatisInterval>
      <FirmwareUpgrade></FirmwareUpgrade>
      <BackupACIPv4></BackupACIPv4>
      <BackupACIPv6></BackupACIPv6>
      <LocationName></LocationName>
      <Description></Description>
      <TunnelEncryption></TunnelEncryption>
      <ControlAddress></ControlAddress>
      <ControlAddressIPv4></ControlAddressIPv4>
      <ControlAddressIPv6></ControlAddressIPv6>
      <ProvisionAutoUpgrade></ProvisionAutoUpgrade>
      <ProvisionAutoRecover></ProvisionAutoRecover>
    </AP>
  </ManualAP>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	ManualAP
Table type	Multi-instance table
Row name	AP
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	If this column contains uppercase character, it will be converted to lowercase automatically.
Model	AP model name.	N/A	String, case-insensitive. Length: 1 to 63 characters.	Characters will be automatically convert case. Refer to AP/APDB. This column is mandatory when the row is being created. This column is not writable when the row is being deleted, removed. This column should not be changed when the row is being replaced or merged.
CfgSerialID	Configured AP serial ID.	N/A	String, uppercase. Length: 1 to 127 characters.	If this column contains lowercase character, it will be converted to uppercase automatically.
CfgMacAddress	Configured AP MAC address.	N/A	Six groups of two hexadecimal digits, hyphen-separated.	Example: 00-0c-af-e3-5d-c0.
RegionCode	Region code of AP.	N/A	Unsigned short.	Conform to ISO 3166 standart.
RegionLock	Whether the region code of the AP is locked.	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
Priority	AP connection priority	N/A	Unsigned short. Value range: 0 to 7.	N/A

Preempt	Whether the AP will be forced to switch the backup tunnel to active by priority.	N/A	Boolean: <ul style="list-style-type: none"> • true: Switch • false: Not switch 	N/A
EchoInterval	The transmit interval of tunnel echo messages.	N/A	Unsigned short. Value range: 0, 5 to 255. Unit: seconds	N/A
EchoCount	The allowed maximum number of echo messages which are not received. If the count is reached, the tunnel will be down.	N/A	Unsigned short. Value range: 1 to 20.	N/A
RetransInterval	The interval to retransmit a request message.	N/A	Unsigned short. Value range: 1 to 30. Unit: seconds	N/A
RetransCount	The allowed maximum number of retransmission attempts. If the count is reached, the tunnel will be down.	N/A	Unsigned short. Value range: 1 to 20. Unit: seconds	N/A
StatisInterval	The interval of AP sending the statistics informations to AC.	N/A	Unsigned short. Value range: 0 to 240. Default value is 50 seconds.	N/A
FirmwareUpgrade	Whether the AC will upgrade AP's firmware automatically if the software is mismatch.	N/A	Boolean: <ul style="list-style-type: none"> • true—Enable • false—Disable 	N/A
BackupACIPv4	The IPv4 backup AC address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
BackupACIPv6	The IPv6 backup AC address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.
LocationName	Which location the AP group belongs to.	N/A	String, lowercase. Length: 1 to 31 characters.	N/A
Description	The description of AP.	N/A	String, Length: 1 to 64 characters.	N/A
TunnelEncryption	Whether to enable tunnel encryption.	N/A	Boolean: <ul style="list-style-type: none"> • true—Enable • false—Disable 	N/A
ControlAddress	CAPWAP control address configuration.	N/A	Boolean: <ul style="list-style-type: none"> • true—Enable. • false—Disable. 	N/A
ControlAddressIPv4	Specify an AC IPv4 address for AC rediscovery.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
ControlAddressIPv6	Specify an AC IPv4	N/A	Hexadecimal string,	Example: 1:1::1:1.

	address for AC rediscovery.		colon-separated.	
ProvisionAutoUpgrade	Whether to enable provision auto-upgrade.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
ProvisionAutoRecover	Whether to enable provision auto-recover.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A

AP/RadioOfManualAP

This table contains radio information of manual AP.

XML structure

```

<AP>
  <RadioOfManualAP>
    <Radio>
      <ApName></ApName>
      <RadioID></RadioID>
      <Mode></Mode>
      <Bandwidth></Bandwidth>
      <Status></Status>
      <RateMulticast></RateMulticast>
      <RateMandatory></RateMandatory>
      <RateSupported></RateSupported>
      <RateDisabled></RateDisabled>
      <Preamble></Preamble>
      <BeaconInterval></BeaconInterval>
      <PowerLock></PowerLock>
      <Distance></Distance>
      <MaxRxDuration></MaxRxDuration>
      <FragmentThreshold></FragmentThreshold>
      <LongRetryThreshold></LongRetryThreshold>
      <ProtectionThreshold></ProtectionThreshold>
      <ShortRetryThreshold></ShortRetryThreshold>
      <CfgChannel></CfgChannel>
      <CfgMaxPower></CfgMaxPower>
    </Radio>
  </RadioOfManualAP>
</AP>

```

Table description

Item	Description
Feature name	AP

Item	Description
Table name	RadioOfManualAP
Table type	Multi-instance table
Row name	Radio
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	If this column contains uppercase character, it will be converted to lowercase automatically.
RadioID	Radio ID	Index	Unsigned short. Value range: 1 to 31.	N/A
Mode	Radio mode.	N/A	Enumeration: <ul style="list-style-type: none"> 1—802.11b 2—802.11a 3—802.11g 4—802.11n(2.4GHz) 5—802.11n(5GHz) 6—802.11ac(2.4GHz) 7—802.11ac(5GHz) 	N/A
Bandwidth	Radio bandwidth.	N/A	Enumeration: <ul style="list-style-type: none"> 1—20M 2—40M 3—80M 4—160M 5—80M + 80M 17—5M 18—10M 	N/A
Status	Radio status	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable 1—Enable 2—Inherit 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
RateMulticast	Multicast rate.	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps 13—auto <p>If this column is not configured, the multicast rate will be calculated automatically.</p>	The value can have multi-selections. List of enumeration, separated by comma Example: 1, 2.
RateMandatory	Mandatory rate.	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps 	The value can have multi-selections. List of enumeration, separated by comma Example: 1, 2.

Column name	Column description	Column type	Data type and restrictions	Remarks
RateSupported	Supported rate.	N/A	Enumeration: <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps 	The value can have multi-selections, exclude the one which multicast rate uses. List of enumeration, separated by comma Example: 1, 2.
RateDisabled	Disabled rate.	N/A	Enumeration: <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps 	The value can have multi-selections, exclude the one which multicast rate uses. List of enumeration, separated by comma Example: 1, 2.
Preamble	Preamble.	N/A	Boolean: <ul style="list-style-type: none"> true—Short. false—Long. The column is only for 2.4GHz radio mode.	N/A
BeaconInterval	Beacon Interval time.	N/A	Unsigned short. The value range is 32~8191. Unit: TU. 1TU = 1024ms	N/A
PowerLock	Lock the power.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable 1—Enable 2—Inherit 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
ChannelAutoLock	Lock the channel	N/A	Boolean: <ul style="list-style-type: none"> • true—ChannelAutoLock. • false—ChannelAutoUnLock. The default value is true.	When the value is true, the radio automatically selects an optimal channel, and then locks the channel. When the AC detects any radar signals on its channel, it immediately selects another channel (even if the channel auto lock is true) and locks the new channel.
Distance	The distance that Radio can cover.	N/A	Unsigned short. The value range is 1~40. Unit: km(kilometre).	N/A
MaxRxDuration	Max Reveived frame duration tim.	N/A	Unsigned integer. The value range is 500~250000. Unit: ms(millisecond).	N/A
FragmentThreshold	Fragment threshold.	N/A	Unsigned short. The value range is 256~2346. And the value must be an even number. Unit: byte.	N/A
LongRetryThreshold	Long retry threshold.	N/A	Unsigned short. The value range is 1~15. Unit: null.	N/A
ProtectionThreshold	Protection threshold.	N/A	Unsigned short. The value range is 0~2346. Unit: byte.	N/A
ShortRetryThreshold	Short retry threshold.	N/A	Unsigned short. The value range is 1~15. Unit: null.	N/A
CfgChannel	Configured channel number.	N/A	Unsigned short. The value range conforms to "AP/ChannelDB/Supported ChannelList" column. If this column is not configured, the channel number will be calculated automatically.	When the value is true, the radio automatically selects an optimal channel, and then locks the channel. When the AC detects any radar signals on its channel, it immediately selects another channel (even if the channel auto lock is true) and locks the new channel.
CfgMaxPower	Configured maximum power	N/A	Unsigned short. Value range: 1 to "AP/PowerDB/ValidMaxPower". Unit: dBm	N/A

AP/PrvsOfManualAP

This table contains provision information of manual AP.

XML structure

```
<AP>
  <PrvsOfManualAP>
    <Prvs>
      <ApName></ApName>
      <AChostName></AChostName>
      <ACIPv4></ACIPv4>
      <ACIPv6></ACIPv6>
      <DnsDomain></DnsDomain>
      <DnsServerIPv4></DnsServerIPv4>
      <DnsServerIPv6></DnsServerIPv6>
      <GatewayIPv4></GatewayIPv4>
      <GatewayIPv6></GatewayIPv6>
      <IPv4Address></IPv4Address>
      <IPv6Address></IPv6Address>
      <Dot1xSupplAnonyIdent></Dot1xSupplAnonyIdent>
      <Dot1xSupplEapMethod></Dot1xSupplEapMethod>
      <Dot1xSupplEnable></Dot1xSupplEnable>
      <Dot1xSupplPasswdCiper></Dot1xSupplPasswdCiper>
      <Dot1xSupplPasswdSimple></Dot1xSupplPasswdSimple>
      <Dot1xSupplUsername></Dot1xSupplUsername>
    </Prvs>
  </PrvsOfManualAP>
</AP>
```

Table description

Item	Description
Feature name	AP
Table name	PrvsOfManualAP
Table type	Multi-instance table
Row name	Prvs
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name	Index	String, lowercase. Length: 1 to 64 characters.	If this column contains uppercase character, it will be converted to lowercase automatically.
ACHostName	Specify an AC by its hostname.	N/A	String. Length: 1 to 253 characters.	N/A
ACIPv4	Specify an AC by its IPv4 address.	N/A	List of string, dotted decimal notation, Separated by comma.	Example: 1.1.1.1, 1.1.1.2.
ACIPv6	Specify an AC by its IPv6 address.	N/A	List of hexadecimal string, colon-separated, Separated by comma.	Example: 1:1::1:1, 1:1::1:2.
DnsDomain	Specify the domain name suffix.	N/A	String. Length: 1 to 253.	N/A
DnsServerIPv4	Specify a DNS server by its IPv4 address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
DnsServerIPv6	Specify a DNS server by its IPv6 address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.
GatewayIPv4	Specify a gateway by its IPv4 address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
GatewayIPv6	Specify a gateway by its IPv6 address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.
IPv4Addresses	Specify an IP address that the AP uses to establish a CAPWAP tunnel.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
IPv6Addresses	Specify an IPv6 address that the AP uses to establish a CAPWAP tunnel.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.
Dot1xSupplicantAnonyIdent	Specify an anonymous identifier for the supplicant.	N/A	String. Length: 1 to 253 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Dot1xSupplEapMethod	Specify an EAP authentication method.	N/A	Enumeration: <ul style="list-style-type: none"> 1—md5 2—peap-gtc 3—peap-mschapv2 4—tls-gtc 5—tls-mschapv2 	N/A
Dot1xSupplEnable	Enable the 802.1X supplicant feature.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Dot1xSupplPasswdCipher	Specify a ciphertext password for the 802.1X supplicant.	N/A	String. Length: 1 to 201 characters.	N/A
Dot1xSupplPasswdSimple	Specify a plaintext password for the 802.1X supplicant.	N/A	String. Length: 1 to 127 characters.	N/A
Dot1xSupplUsername	Specify a username for the 802.1X supplicant.	N/A	String. Length: 1 to 253 characters.	N/A

AP/PrvsOfManualAPACIPv4

This table contains provision information of manual AP of IPv4 address.

XML structure

```

<AP>
  <PrvsOfManualAPACIPv4>
    <Prvs>
      <ApName></ApName>
      <ACIPv4></ACIPv4>
    </Prvs>
  </PrvsOfManualAPACIPv4>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	PrvsOfManualAPACIPv4
Table type	Multi-instance table
Row name	Prvs
Restrictions	None

Item	Description
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ACIPv4	Specify an AC by its IPv4 address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.

AP/PrvsOfManualAPACIPv6

This table contains provision information of manual AP of IPv6 address.

XML structure

```

<AP>
  <PrvsOfManualAPACIPv6>
    <Prvs>
      <ApName></ApName>
      <ACIPv6></ACIPv6>
    </Prvs>
  </PrvsOfManualAPACIPv6>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	PrvsOfManualAPACIPv6
Table type	Multi-instance table
Row name	Prvs
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	ApName	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ACIPv6	Specify an AC by its IPv6 address.	N/A	Hexadecimal string, colon-separated.	Example: 1.1.1.1. This column is available when the SrcAny column is false.

AP/EdcaRadio

This table contains radio EDCA information.

XML structure

```
<AP>
  <EdcaRadio>
    <EdcaPara>
      <ApName></ApName>
      <RadioID></RadioID>
      <AccessCategory></AccessCategory>
      <Noack></Noack>
      <CfgAifsn></CfgAifsn>
      <CfgEcwmin></CfgEcwmin>
      <CfgEcwmax></CfgEcwmax>
      <CfgTxOpLimit></CfgTxOpLimit>
    </EdcaPara>
  </EdcaRadio>
</AP>
```

Table description

Item	Description
Feature name	AP
Table name	EdcaRadio
Table type	Multi-instance table
Row name	EdcaPara
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name.	Index	String, lowercase. Length:1to 64 characters.	If this column contains uppercase character, it will be converted to lowercase automatically.
RadioID	Radio identifier.	Index	Unsigned short. Value range: 1 to 31.	N/A
AccessCategory	A label for the common set of enhanced distributed channel access parameters that are used by a WMM STA to contend for the channel in order to transmit MSDUs with certain priorities.	Index	Enumeration: <ul style="list-style-type: none"> 0—BK. 1—BE. 2—VI. 3—VO 	N/A
Noack	Whether acknowledgement is required.	N/A	Boolean: <ul style="list-style-type: none"> true—Not required. false—Required. The default value is false.	N/A
CfgAifsn	Arbitration Inter Frame Spacing Number.	N/A	The value range conforms to “AP/RadioIDB/Aifsn” column.	N/A
CfgEcwmin	Exponent form of CWmin.	N/A	The value range conforms to “AP/RadioIDB/Ecwmin” column.	N/A
CfgEcwmax	Exponent form of CWmax.	N/A	The value range conforms to “AP/RadioIDB/Ecwmax” column.	N/A
CfgTxOpLimit	Transmission opportunity limit.	N/A	The value range conforms to “AP/RadioIDB/TxOpLimit” column.	N/A

AP/RadioWmm

This table contains radio WMM information.

XML structure

```

<AP>
  <RadioWmm>
    <Wmm>
      <ApName></ApName>
      <RadioID></RadioID>
    
```

```

        <Status></Status>
    </Wmm>
</RadioWmm>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	RadioWmm
Table type	Multi-instance table
Row name	Wmm
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name.	Index	ApName	If this column contains uppercase character, it will be converted to lowercase automatically.
RadioID	Radio identifier.	Index	Unsigned char. Value range: 1 to 31.	N/A
Status	WMM status of radio.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. The default value is true.	N/A

AP/Radio11n

This table contains radio 802.11n information.

XML structure

```

<AP>
  <Radio11n>
    <Dot11n>
      <ApName></ApName>
      <RadioID></RadioID>
      <MCSMulticast></MCSMulticast>
      <MCSMandatory></MCSMandatory>
    </Dot11n>
  </Radio11n>
</AP>

```



```

    <MCSSupported></MCSSupported>
    <Ampdu></Ampdu>
    <Amsdu></Amsdu>
    <ShortGI></ShortGI>
    <Stbc></Stbc>
    <Ldpc></Ldpc>
    <Mimo></Mimo>
    <Greenap></Greenap>
    <SmartAntenna></SmartAntenna>
    <SmartAntennaPolicy></SmartAntennaPolicy>
    <Protection></Protection>
    <Client11nOnly></Client11nOnly>
    <BandwidthAutoswitch></BandwidthAutoswitch >
  </Dot11n>
</Radio11n>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	Radio11n
Table type	Multi-instance table
Row name	Dot11n
Restrictions	The table is only for 802.11n and 802.11ac radio mode.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	If this column contains uppercase character, it will be converted to lowercase automatically.
RadioID	Radio identifier.	Index	Unsigned char. Value range: 1 to 31.	N/A
MCSMulticast	The index for multicast MCS.	N/A	Unsigned short. Value range: 0 to 76, and 255. Default value is 255.	The MCSMulticast must be smaller than or equal to the MCSMandatory.

Column name	Column description	Column type	Data type and restrictions	Remarks
MCSMandatory	The maximum index for mandatory MCS.	N/A	Unsigned short. Value range: 0 to 76, and 255. Default value is 255.	The MCSMandatory must be smaller than or equal to the MCSSupported, and the MCSMandatory must be greater than or equal to the MCSMulticast.
MCSSupported	The maximum index for supported MCS.	N/A	Unsigned short. Value range: 0 to 76, and 255. Default value is 255.	The MCSSupported must be greater than or equal to the MCSMandatory.
Ampdu	A-mpdu function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Amsdu	A-msdu function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
ShortGI	Short GI function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Stbc	STBC function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Ldpc	LDPC function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Mimo	MIMO.	N/A	Enumeration: <ul style="list-style-type: none"> 1: 1X1 2: 2X2 3: 3X3 4: 4X4 	N/A
Greenap	Green ap function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
SmartAntenna	Smart antenna function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
SmartAntennaPolicy	Smart antenna policy.	N/A	Enumeration: <ul style="list-style-type: none"> 1: Auto 2: High-availability 3: High-throughput 	Effective only when SmartAntenna is enabled.
Protection	802.11n protection function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Client11nOnly	Client dot11n only function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
BandwidthAutoswitch	Bandwidth autoswitch function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. The column is only for 2.4GHz radio mode, and AP/RadiusManualAP/Bandwidth must be 2..	N/A

AP/Radius11ac

This table contains radio 802.11ac information.

XML structure

```

<AP>
  <Radius11ac>
    <Dot11ac>
      <ApName></ApName>
      <RadioID></RadioID>
      <VHTNSSMulticast></VHTNSSMulticast>
      <VHTMCSMulticast></VHTMCSMulticast>
      <VHTNSSMandatory></VHTNSSMandatory>
      <VHTNSSSupported></VHTNSSSupported>
      <Client11acOnly></Client11acOnly>
    </Dot11ac>
  </Radius11ac>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	Radius11ac
Table type	Multi-instance table
Row name	Dot11ac
Restrictions	The table is only for 802.11ac radio mode.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	If this column contains uppercase character, it will be converted to lowercase automatically.
RadioID	Radio identifier.	Index	Unsigned char. Value range: 1 to 31.	N/A
VHTNSSMulticast	The NSS for multicast VHT-MCS	N/A	Unsigned short. Value range: 0 to 8. Default value is 0.	The VHTNSSMulticast must be smaller than or equal to the VHTNSSMandatory.
VHTMCSMulticast	The index for multicast VHT-MCS.	N/A	Unsigned short. Value range: 0 to 9, 255. Default value is 255.	N/A
VHTNSSMandatory	The maximum NSS for mandatory VHT-MCS	N/A	Unsigned short. Value range: 0 to 8. Default value is 0.	The VHTNSSMandatory must be smaller than or equal to the VHTNSSSupported, and the VHTNSSMandatory must be greater than or equal to the VHTNSSMulticast.
VHTNSSSupported	The maximum NSS for supported VHT-MCS.	N/A	Unsigned short. Value range: 0 to 8. Default value is 0.	The VHTNSSSupported must be greater than or equal to the VHTNSSMandatory.
Client11acOnly	Client dot11ac only function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A

AP/APGroup

This table contains information of AP groups.

XML structure

```

<AP>
  <APGroup>
    <Group>
      <Name></Name>
      <RegionCode></RegionCode>
      <RegionLock></RegionLock>
      <Priority></Priority>
      <Preempt></Preempt>
      <EchoInterval></EchoInterval>
      <EchoCount></EchoCount>
    </Group>
  </APGroup>
</AP>

```

```

    <RetransInterval></RetransInterval>
    <RetransCount></RetransCount>
    <StatisInterval></StatisInterval>
    <FirmwareUpgrade></FirmwareUpgrade>
    <BackupACIPv4></BackupACIPv4>
    <BackupACIPv6></BackupACIPv6>
    <LocationName></LocationName>
    <Description></Description>
    <TunnelEncryption></TunnelEncryption>
    <ProvisionAutoUpgrade></ProvisionAutoUpgrade>
    <ProvisionAutoRecover></ProvisionAutoRecover>
  </Group>
</APGroup>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	APGroup
Table type	Multi-instance table
Row name	Group
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	AP group name.	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ApName	Region code of AP group.	N/A	Unsigned short.	Conform to ISO 3166 standart.
RegionLock	Whether the region code of the AP group is locked.	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. Default value is false.	N/A
Priority	AP connection priority	N/A	Unsigned short. Value range: 0 to 7.	N/A
Preempt	Whether the AP in this group will be forced to switch the backup tunnel to active by priority.	N/A	Boolean: <ul style="list-style-type: none"> true: Switch false: Not switch Default value is false.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
EchoInterval	The transmit interval of tunnel echo messages.	N/A	Unsigned short. Value range: 0, 5 to 255. Unit: seconds Default value is 10 seconds.	N/A
EchoCount	The allowed maximum number of echo messages which are not received. If the count is reached, the tunnel will be down.	N/A	Unsigned short. Value range: 1 to 20. Default value is 3.	N/A
RetransInterval	The interval to retransmit a request message.	N/A	Unsigned short. Value range: 1 to 30. Unit: seconds Default value is 5 seconds.	N/A
RetransCount	The allowed maximum number of retransmission attempts. If the count is reached, the tunnel will be down.	N/A	Unsigned short. Value range: 1 to 20. Unit: seconds Default value is 6.	N/A
StatInterval	The interval of AP sending the statistics informations to AC.	N/A	Unsigned short. Value range: 0 to 240. Unit: seconds Default value is 50 seconds.	N/A
FirmwareUpgrade	Whether the AC will upgrade AP's firmware automatically if the software is mismatch.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable false—Disable Default value is disable.	N/A
BackupACIPv4	The IPv4 backup AC address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
BackupACIPv6	The IPv6 backup AC address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.
LocationName	Which location the AP group belongs to.	N/A	String, lowercase. Length: 1 to 31 characters.	N/A
Description	The description of APGroup.	N/A	String, Length: 1 to 64 characters	N/A
TunnelEncryption	Whether to enable tunnel encryption.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable false—Disable 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
ProvisionAutoUpgrade	Whether to enable provision auto-upgrade	N/A	Boolean: <ul style="list-style-type: none"> true—Enable false—Disable 	N/A
ProvisionAutoRecover	Whether to enable provision auto-recover	N/A	Boolean: <ul style="list-style-type: none"> true—Enable false—Disable 	N/A

AP/APGroupMACRule

This table contains information of AP groups' rules of MAC address.

XML structure

```

<AP>
  <APGroupMACRule>
    <Rule>
      <GroupName></GroupName>
      <MacAddress></MacAddress>
    </Rule>
  </APGroupMACRule>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	APGroupMACRules
Table type	Multi-instance table
Row name	Rule
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name.	Index	String, lowercase. Length: 1 to 31 characters.	N/A
MacAddress	AP MAC address.	Index	Six groups of two hexadecimal digits, hyphen-separated.	Example: 00-0c-af-e3-5d-c0.

AP/APGroupSerialIDRule

This table contains information of AP groups' rules of serial ID.

XML structure

```
<AP>
  <APGroupSerialIDRule>
    <Rule>
      <GroupName></GroupName>
      <SerialID></SerialID>
    </Rule>
  </APGroupSerialIDRule>
</AP>
```

Table description

Item	Description
Feature name	AP
Table name	APGroupSerialIDRule
Table type	Multi-instance table
Row name	Rule
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name.	Index	String, lowercase. Length: 1 to 31 characters.	N/A
SerialID	AP serial ID	Index	String, uppercase. Length: 1 to 127 characters.	N/A

AP/APGroupNameRule

This table contains information of AP groups' rules of AP name.

XML structure

```
<AP>
  <APGroupNameRule>
    <Rule>
```



```

    <GroupName></GroupName>
    <APName></APName>
    <Rule>
    </APGroupNameRule>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	APGroupNameRule
Table type	Multi-instance table
Row name	Rule
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name.	Index	String, lowercase. Length: 1 to 31 characters.	N/A
APName	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	N/A

AP/APGroupIPv4Rule

This table contains information of AP groups' rules of IPv4 address range.

XML structure

```

<AP>
  <APGroupIPv4Rule>
    <Rule>
      <GroupName></GroupName>
      <IPv4Addr></IPv4Addr>
      <IPv4Wildcard></IPv4Wildcard>
    </Rule>
  </APGroupIPv4Rule>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	APGroupIPv4Rule
Table type	Multi-instance table
Row name	Rule
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name.	Index	String, lowercase. Length: 1 to 31 characters.	N/A
IPv4Addr	IPv4 address of AP.	Index	String, dotted decimal notation.	Example: 1.1.1.1.
IPv4Wildcard	Wildcard mask for the IPv4 address of AP.	Index	String, dotted decimal notation.	Example: 255.255.255.0.

AP/APGroupIPv6Rule

This table contains information of AP groups' rules of IPv6 address range.

XML structure

```
<AP>
  <APGroupIPv6Rule>
    <Rule>
      <GroupName></GroupName>
      <IPv6Addr></IPv6Addr>
      <IPv6Wildcard></IPv6Wildcard>
    </Rule>
  </APGroupIPv6Rule>
</AP>
```

Table description

Item	Description
Feature name	AP
Table name	APGroupIPv6Rule

Item	Description
Table type	Multi-instance table
Row name	Rule
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name.	Index	String, lowercase. Length: 1 to 31 characters.	N/A
IPv6Addr	Source IPv6 address.	Index	Hexadecimal string, colon-separated.	Example: 1:1::1:1. This column is available when the SrcAny column is false.
IPv6Wildcard	Length of the source IPv6 address prefix.	Index	Unsigned integer. Value range: 1 to 128.	This column is available when the SrcAny column is false.

AP/APGroupModel

This table contains information of AP group models.

XML structure

```

<AP>
  <APGroupModel>
    <Model>
      <GroupName></GroupName>
      <ModelName></ModelName>
    </Model>
  </APGroupModel>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	APGroupModel
Table type	Multi-instance table
Row name	Model
Restrictions	None

Item	Description
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name.	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ModelName	AP model name.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A

AP/APGroupRadio

This table contains information of AP group radios.

XML structure

```

<AP>
  <APGroupRadio>
    <Radio>
      <GroupName></GroupName>
      <ModelName></ModelName>
      <RadioID></RadioID>
      <Mode></Mode>
      <Bandwidth></Bandwidth>
      <Spectrum></Spectrum>
      <Status></Status>
      <RateMulticast></RateMulticast>
      <RateMandatory></RateMandatory>
      <RateSupported></RateSupported>
      <RateDisabled></RateDisabled>
      <Preamble></Preamble>
      <BeaconInterval></BeaconInterval>
      <PowerLock></PowerLock>
      <ChannelAutoLock></ChannelAutoLock>
      <Distance></Distance>
      <MaxRxDuration></MaxRxDuration>
      <FragmentThreshold></FragmentThreshold>
      <LongRetryThreshold></LongRetryThreshold>
      <ProtectionThreshold></ProtectionThreshold>
      <ShortRetryThreshold></ShortRetryThreshold>
      <CfgChannel></CfgChannel>
      <CfgMaxPower></CfgMaxPower>
    </Radio>
  </APGroupRadio>
</AP>

```

```

    </APGroupRadio>
  </AP>

```

Table description

Item	Description
Feature name	AP
Table name	APGroupRadio
Table type	Multi-instance table
Row name	Radio
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name.	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ModelName	AP model name.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
RadioID	Radio ID.	Index	Unsigned short. Value range: 1 to 31.	N/A
Mode	Radio mode.	N/A	Enumeration: <ul style="list-style-type: none"> 1—802.11b 2—802.11a 3—802.11g 4—802.11n(2.4GHz) 5—802.11n(5GHz) 6—802.11ac(2.4GHz) 7—802.11ac(5GHz) 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Bandwidth	Radio bandwidth.	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> 1—20M 2—40M 3—80M 4—160M 5—80M + 80M 17—5M 18—10M <p>Default value is 1 when the Mode is 1、2、3、4、6.</p> <p>Default value is 2 when the Mode is 5.</p> <p>Default value is 3 when the Mode is 7.</p>	N/A
Spectrum	Supported radio spectrum.	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> 1—Support both 5GHz and 2.4GHz 2—Support 5GHz only 3—Support 2.4GHz only 	N/A
Status	Radio status.	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> 0—Disable 1—Enable 2—Inherit 	N/A
RateMulticast	Multicast rate.	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps 13—auto <p>If this column is not configured, the multicast rate will be calculated automatically.</p> <p>Default value: auto</p>	The value can have multi-selections. List of enumeration, separated by comma Example: 1, 2.

Column name	Column description	Column type	Data type and restrictions	Remarks
RateMandatory	Mandatory rate.	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps <p>Default value:</p> <p>A. 1, 2Mbps(802.11b).</p> <p>B. 6, 12, 24Mbps(802.11a/802.11an)</p> <p>C. 1, 2, 5.5, 11Mbps(802.11g/802.11gn)</p>	<p>The value can have multi-selections. List of enumeration, separated by comma</p> <p>Example: 1, 2.</p>
RateSupported	Supported rate.	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps <p>Default value:</p> <p>A. 5.5, 11Mbps(802.11b)</p> <p>B. 9, 18, 24, 36, 48, 54Mbps(802.11a/802.11an)</p> <p>C. 6, 9, 12, 18, 24, 36, 54Mbps(802.11g/802.11gn)</p>	<p>The value can have multi-selections, exclude the one which multicast rate uses. List of enumeration, separated by comma</p> <p>Example: 1, 2.</p>

Column name	Column description	Column type	Data type and restrictions	Remarks
RateDisabled	Disabled rate.	N/A	Enumeration: <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps Default value: null.	The value can have multi-selections, exclude the one which multicast rate uses. List of enumeration, separated by comma Example: 1, 2.
Preamble	Preamble.	N/A	Boolean: <ul style="list-style-type: none"> true—Short. false—Long. The column is only for 2.4GHz radio mode. Default value: short.	N/A
BeaconInterval	Beacon Interval time.	N/A	Unsigned short. The value range is 32~8191. Unit: TU. 1TU = 1024ms Default value: 100	N/A
PowerLock	Lock the power.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable 1—Enable 2—Inherit 	N/A
ChannelAutoLock	Lock the channel	N/A	Boolean: <ul style="list-style-type: none"> true—ChannelAutoLock. false—ChannelAutoUnLock. The default value is true.	When the value is true, the radio automatically selects an optimal channel, and then locks the channel. When the AC detects any radar signals on its channel, it immediately selects another channel (even if the channel auto lock is true) and locks the new channel.
Distance	The distance that Radio can cover.	N/A	Unsigned short. The value range is 1~40. Unit: km(kilometre). Default value: 1	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
MaxRxDuration	Max Received frame duration time.	N/A	Unsigned integer. The value range is 500~250000. Unit: ms. Default value: 2000	N/A
FragmentThreshold	Fragment threshold.	N/A	Unsigned short. The value range is 256~2346. And the value must be an even number. Unit: byte. Default value: 2346	N/A
LongRetryThreshold	Long retry threshold.	N/A	Unsigned short. The value range is 1~15. Unit: null. Default value: 4	N/A
ProtectionThreshold	Protection threshold.	N/A	Unsigned short. The value range is 0~2346. Unit: byte. Default value: 2346	N/A
ShortRetryThreshold	Short retry threshold.	N/A	Unsigned short. The value range is 1~15. Unit: null. Default value: 7	N/A
CfgChannel	Configured channel number.	N/A	Unsigned short. The value range conforms to "AP/ChannelDB/Supported ChannelList" column. If this column is set to zero, the channel number will be calculated automatically.	N/A
CfgMaxPower	Configured maximum power.	N/A	Unsigned short. Value range: 1 to "AP/PowerDB/ValidMaxPower". Unit: dBm	N/A

AP/APGroupRadio11n

This table contains 802.11n information of AP group radios.

XML structure

```

<AP>
  <APGroupRadio11n>
    <Radio11n>

```

```

    <GroupName></GroupName>
    <ModelName></ModelName>
    <RadioID></RadioID>
    <MCSMulticast></MCSMulticast>
    <MCSMandatory></MCSMandatory>
    <MCSSupported></MCSSupported>
    <Ampdu></Ampdu>
    <Amsdu></Amsdu>
    <ShortGI></ShortGI>
    <Stbc></Stbc>
    <Ldpc></Ldpc>
    <Mimo></Mimo>
    <Greenap></Greenap>
    <SmartAntenna></SmartAntenna>
    <SmartAntennaPolicy></SmartAntennaPolicy>
    <Protection></Protection>
    <Client11nOnly></Client11nOnly>
    <BandwidthAutoswitch></ BandwidthAutoswitch >
  </Radio11n>
</APGroupRadio11n>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	APGroupRadio11n
Table type	Multi-instance table
Row name	Radio11n
Restrictions	The table is only for 802.11n and 802.11ac radio mode.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name.	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ModelName	AP model name.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
RadioID	Radio ID.	Index	Unsigned short. Value range: 1 to 31.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
MCSMulticast	The index for multicast MCS.	N/A	Unsigned short. Value range: 0 to 76, and 255. Default value is 255.	The MCSMulticast must be smaller than or equal to the MCSMandatory.
MCSMandatory	The maximum index for mandatory MCS.	N/A	Unsigned short. Value range: 0 to 76, and 255. Default value is 255.	The MCSMandatory must be smaller than or equal to the MCSSupported, and the MCSMandatory must be greater than or equal to the MCSMulticast.
MCSSupported	The maximum index for supported MCS.	N/A	Unsigned short. Value range: 0 to 76, and 255. Default value is 76.	The MCSSupported must be greater than or equal to the MCSMandatory.
Ampdu	A-mpdu function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Amsdu	A-msdu function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
ShortGI	Short GI function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Stbc	STBC function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Ldpc	LDPC function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Mimo	MIMO.	N/A	Enumeration: <ul style="list-style-type: none"> 1: 1X1 2: 2X2 3: 3X3 4: 4X4 	N/A
Greenap	Green ap function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
SmartAntenna	Smart antenna function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
SmartAntennaPolicy	Smart antenna policy.	N/A	Enumeration: <ul style="list-style-type: none"> 1: Auto 2: High-availability 3: High-throughput 	Effective only when SmartAntenna is enabled.

Column name	Column description	Column type	Data type and restrictions	Remarks
Protection	802.11n protection function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Client11nOnly	Client dot11n only function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
BandwidthAutoswitch	Bandwidth autoswitch function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. The column is only for 2.4GHz radio mode, and AP/APGroupRadio/Bandwidth must be 2.	N/A

AP/APGroupRadio11ac

This table contains 802.11ac information of AP group radios.

XML structure

```

<AP>
  <APGroupRadio11ac>
    <Radio11ac>
      <GroupName></GroupName>
      <ModelName></ModelName>
      <RadioID></RadioID>
      <VHTNSSMulticast></VHTNSSMulticast>
      <VHTMCSMulticast></VHTMCSMulticast>
      <VHTNSSMandatory></VHTNSSMandatory>
      <VHTNSSSupported></VHTNSSSupported>
      <Client11acOnly></Client11acOnly>
    </Radio11ac>
  </APGroupRadio11ac>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	APGroupRadio11ac
Table type	Multi-instance table
Row name	Radio11ac
Restrictions	The table is only for 802.11ac radio mode.

Item	Description
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name.	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ModelName	AP model name.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
RadioID	Radio ID.	Index	Unsigned short. Value range: 1 to 31.	N/A
VHTNSSMulticast	The NSS for multicast VHT-MCS.	N/A	Unsigned short. Value range: 0 to 8. Default value is 0.	The VHTNSSMulticast must be smaller than or equal to the VHTNSSMandatory.
VHTMCSMulticast	The index for multicast VHT-MCS.	N/A	Unsigned short. Value range: 0 to 9, 255. Default value is 255.	N/A
VHTNSSMandatory	The maximum NSS for mandatory VHT-MCS.	N/A	Unsigned short. Value range: 0 to 8. Default value is 0.	The VHTNSSMandatory must be smaller than or equal to the VHTNSSSupported, and the VHTNSSMandatory must be greater than or equal to the VHTNSSMulticast.
VHTNSSSupported	The maximum NSS for supported VHT-MCS.	N/A	Unsigned short. Value range: 0 to 8. Default value is 8.	The VHTNSSSupported must be greater than or equal to the VHTNSSMandatory.
Client11acOnly	Client dot11ac only function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A

AP/APGroupPrvs

This table contains provision information of AP Group.

XML structure

```

<AP>
  <APGroupPrvs>
    <Prvs>
      <GroupName></GroupName>
      <AChostName></AChostName>
    </Prvs>
  </APGroupPrvs>
</AP>

```

```

<ACIPv4></ACIPv4>
<ACIPv6></ACIPv6>
<DnsDomain></DnsDomain>
<DnsServerIPv4></DnsServerIPv4>
<DnsServerIPv6></DnsServerIPv6>
</Prvs>
</APGroupPrvs>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	APGroupPrvs
Table type	Multi-instance table
Row name	Prvs
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	GroupName.	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ACHostName	Specify an AC by its hostname.	N/A	String. Length: 1 to 253 characters.	N/A
ACIPv4	Specify an AC by its IPv4 address	N/A	List of string, dotted decimal notation, Separated by comma.	Example: 1.1.1.1, 1.1.1.2.
ACIPv6	Specify an AC by its IPv6 address	N/A	List of hexadecimal string, colon-separated, Separated by comma.	Example: 1:1::1:1, 1:1::1:2.
DnsDomain	Specify the domain name suffix.	N/A	String. Length: 1 to 253.	N/A
DnsServerIPv4	Specify a DNS server by its IPv4 address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
DnsServerIPv6	Specify a DNS server by its IPv6 address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.

AP/APGroupPrvsACIPv4

This table contains provision information of AP Group of IPv4 address.

XML structure

```
<AP>
  <APGroupPrvsACIPv4>
    <Prvs>
      <GroupName></GroupName>
      <ACIPv4></ACIPv4>
    </Prvs>
  </APGroupPrvsACIPv4>
</AP>
```

Table description

Item	Description
Feature name	AP
Table name	APGroupPrvsACIPv4
Table type	Multi-instance table
Row name	Prvs
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name.	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ACIPv4	Specify an AC by its IPv4 address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.

AP/APGroupPrvsACIPv6

This table contains provision information of AP group of IPv6 address.

XML structure

```
<AP>
  <APGroupPrvsACIPv6>
    <Prvs>
      <GroupName></GroupName>
```

```

    <ACIPv6></ACIPv6>
  </Prvs>
</APGroupPrvsACIPv6>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	APGroupPrvsACIPv6
Table type	Multi-instance table
Row name	Prvs
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	GroupName.	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ACIPv6	Specify an AC by its IPv6 address.	N/A	Hexadecimal string,colon-separated.	Example: 1:1::1:1. This column is available when the SrcAny column is false.

AP/Location

This table contains the informations of locations.

XML structure

```

<AP>
  <Location>
    <Location>
      <LocationName></LocationName>
    </Location>
  </Location>
</AP>

```

Table description

Item	Description
Feature name	AP

Item	Description
Table name	Location
Table type	Multi-instance table
Row name	Location
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LocationName	Location name.	Index	String, lowercase. Length: 1 to 31 characters.	N/A

AP/APAuthentication

This table contains the informations of AP authentication.

XML structure

```

<AP>
  <APAuthentication>
    <Status></Status>
    <Method></Method>
    <PermitUnauth></PermitUnauth>
    <AuthDomain></AuthDomain>
    <AclNumber></AclNumber>
    <AclName></AclName>
  </APAuthentication>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	APAuthentication
Table type	Single-instance table
Row name	N/A
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Status	The status of AP authentication.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. Default value is disable.	N/A
Method	The authentication method.	N/A	Enumeration: <ul style="list-style-type: none"> 1—MAC address. 2—Serial ID. Default value is MAC address.	N/A
PermitUnauth	Whether the un-authenticated AP is allowed to join the AC.	N/A	Boolean: <ul style="list-style-type: none"> true—Allowed. false—Not allowed. Default value is allowed.	N/A
AuthDomain	The ISP domain of remote AP authentication.	N/A	String, case-insensitive. Length: 1 to 24 characters.	N/A
AcINumber	The ACL number of local AP authentication.	N/A	Unsigned short. Value range: 200 to 299.	This column is unavailable when the AC uses an ACL name.
AcIName	The ACL name of local AP authentication.	N/A	String, case-insensitive. Length: 1 to 63 characters.	This column is unavailable when the AC uses an ACL number. The ACL name should not be "all".

AP/LocalAC

This table contains local-ac information.

XML structure

```

<AP>
  <LocalAC>
    <AC>
      <Name></Name>
      <Model></Model>
      <CfgSerialID></CfgSerialID>
      <EchoInterval></EchoInterval>
      <RetransInterval></RetransInterval>
      <RetransCount></RetransCount>
      <FirmwareUpgrade></FirmwareUpgrade>
    </AC>
  </LocalAC>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	LocalAC
Table type	Multi-instance table
Row name	AC
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Local-ac name.	Index	String, lowercase. Length: 1 to 64 characters.	If this column contains uppercase character, it will be converted to lowercase automatically.
Model	Local-ac model name.	N/A	String, case-insensitive. Length: 1 to 63 characters.	Characters will be automatically convert case. Refer to AP/ACDB. This column is mandatory when the row is being created. This column is not writable when the row is being deleted, removed. This column should not be changed when the row is being replaced or merged.
CfgSerialID	Configured Local-ac serial ID.	N/A	String, uppercase. Length: 1 to 63 characters.	If this column contains lowercase character, it will be converted to uppercase automatically.
EchoInterval	The transmit interval of tunnel echo messages.	N/A	Unsigned short. Value range: 0, 5 to 255 Unit: seconds	N/A
RetransInterval	The interval to retransmit a request message.	N/A	Unsigned short. Value range: 3 to 8 Unit: seconds	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
RetransCount	The allowed maximum number of retransmission attempts. If the count is reached, the tunnel will be down.	N/A	Unsigned short. Value range: 2 to 5. Unit: seconds	N/A
FirmwareUpgrade	Whether the AC will upgrade AP's firmware automatically if the software is mismatch.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A

AP/ContainerTopology

This table contains information about all PoE ports on the container (such as SPM and WT).

XML structure

```

<AP>
  <ContainerTopology>
    <Container>
      <ContainerName></ContainerName>
      <PoePort></PoePort>
      <PoeStatus></PoeStatus>
    </Container>
  </ContainerTopology>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	ContainerTopology
Table type	Multi-instance table
Row name	Container
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ContainerName	Container name.	Index	String, lowercase. Length: 1 to 64 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
PoePort	Port on the container	Index	Unsigned short.	See AP/APDB/.
PoeStatus	PoE port status.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable false—Disable 	N/A

AP/Container

This table contains information about containers.

XML structure

```

<AP>
  <Container>
    <AP>
      <Name></Name>
      <Model></Model>
      <CfgMacAddress></CfgMacAddress>
    </AP>
  </Container>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	Container
Table type	Multi-instance table
Row name	AP
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	N/A
Model	AP model name.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
CfgMacAddress	Configured AP MAC address	N/A	Six groups of two hexadecimal digits, hyphen-separated.	Example: 00-0c-af-e3-5d-c0.

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AP

AP/APSummary

This table contains AP global statistics.

XML structure

```

<AP>
  <APSummary>
    <ManualApNum></ManualApNum>
    <RunApNum></RunApNum>
    <OfflineApNum></OfflineApNum>
    <UnhealthyApNum></UnhealthyApNum>
    <ApGroupNum></ApGroupNum>
    <LocationNum></LocationNum>
    <NorthIfOutPkt></NorthIfOutPkt>
    <NorthIfOutByte></NorthIfOutByte>
    <NorthIfInPkt></NorthIfInPkt>
    <NorthIfInByte></NorthIfInByte>
    <Is5gRadioNum></Is5gRadioNum>
    <Is2gRadioNum></Is2gRadioNum>
    <AccessModeNum></AccessModeNum>
    <SensorModeNum></SensorModeNum>
    <HybirdModeNum></HybirdModeNum>
    <ChannelBusyLower10PctNum></ChannelBusy10PctNum>
    <ChannelBusy10PctNum></ChannelBusy10PctNum>

```

```

<ChannelBusy20PctNum></ChannelBusy20PctNum>
<ChannelBusy30PctNum></ChannelBusy30PctNum>
<ChannelBusy40PctNum></ChannelBusy40PctNum>
<ChannelBusy50PctNum></ChannelBusy50PctNum>
<ChannelBusy60PctNum></ChannelBusy60PctNum>
<ChannelBusy70PctNum></ChannelBusy70PctNum>
<ChannelBusy80PctNum></ChannelBusy80PctNum>
<ChannelBusy90PctNum></ChannelBusy90PctNum>
<NoiseFloorLower105Num></NoiseFloorLower105Num>
<NoiseFloor100Num></NoiseFloor100Num>
<NoiseFloor95Num></NoiseFloor95Num>
<NoiseFloor90Num></NoiseFloor90Num>
<NoiseFloor85Num></NoiseFloor85Num>
<NoiseFloor80Num></NoiseFloor80Num>
<NoiseFloor75Num></NoiseFloor75Num>
<NoiseFloor70Num></NoiseFloor70Num>
<NoiseFloorUpper70Num></NoiseFloorUpper70Num>
<Dot11InterfLower10PctNum></Dot11InterfLower10PctNum>
<Dot11Interf10PctNum></Dot11Interf10PctNum>
<Dot11Interf20PctNum></Dot11Interf20PctNum>
<Dot11Interf30PctNum></Dot11Interf30PctNum>
<Dot11Interf40PctNum></Dot11Interf40PctNum>
<Dot11Interf50PctNum></Dot11Interf50PctNum>
<Dot11Interf60PctNum></Dot11Interf60PctNum>
<Dot11Interf70PctNum></Dot11Interf70PctNum>
<Dot11Interf80PctNum></Dot11Interf80PctNum>
<Dot11Interf90PctNum></Dot11Interf90PctNum>
<NonDot11InterfLower10PctNum></NoneDot11InterfLower10PctNum>
<NonDot11Interf10PctNum></NonDot11Interf10PctNum>
<NonDot11Interf20PctNum></NonDot11Interf20PctNum>
<NonDot11Interf30PctNum></NonDot11Interf30PctNum>
<NonDot11Interf40PctNum></NonDot11Interf40PctNum>
<NonDot11Interf50PctNum></NonDot11Interf50PctNum>
<NonDot11Interf60PctNum></NonDot11Interf60PctNum>
<NonDot11Interf70PctNum></NonDot11Interf70PctNum>
<NonDot11Interf80PctNum></NonDot11Interf80PctNum>
<NonDot11Interf90PctNum></NonDot11Interf90PctNum>
<RunSPMNum></RunSPMNum>
<OfflineSPMNum></OfflineSPMNum>
<MaxRunApNum></MaxRunApNum>
<MaxPersistentApNum></MaxPersistentApNum> </APSummary>
</AP>

```

Table description

Item	Description
Feature name	AP

Item	Description
Table name	APSummary
Table type	Single-instance table
Row name	N/A
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ManualApNum	Number of manual APs	N/A	Unsigned integer. Value range: 0 to 65535.
RunApNum	Number of running APs	N/A	Unsigned integer. Value range: 0 to 65535.
OfflineApNum	Number of offline APs	N/A	Unsigned integer. Value range: 0 to 65535.
UnhealthyApNum	Number of Unhealthy APs	N/A	Unsigned integer. Value range: 0 to 65535.
ApGroupNum	Number of AP groups	N/A	Unsigned integer. Value range: 0 to 65535.
LocationNum	Number of locations	N/A	Unsigned integer. Value range: 0 to 65535.
NorthIfOutPkt	Packets count of northbound interface with outbound direction.	N/A	Unsigned integer. Value range: 0 to 4294967295.
NorthIfOutByte	Throughput statistics of northbound interface with outbound direction.	N/A	Unsigned integer. Value range: 0 to 4294967295.
NorthIfInPkt	Packets count of northbound interface with inbound direction.	N/A	Unsigned integer. Value range: 0 to 4294967295.
NorthIfInByte	Throughput statistics of northbound interface with inbound direction.	N/A	Unsigned integer. Value range: 0 to 4294967295.
Is5gRadioNum	Number of radios which is 5GHz.	N/A	Unsigned integer. Value range: 0 to 4294967295.
Is2.4gRadioNum	Number of radios which is 2.4GHz.	N/A	Unsigned integer. Value range: 0 to 4294967295.
AccessModeNum	Number of radios in access mode.	N/A	Unsigned integer. Value range: 0 to 4294967295.

Column name	Column description	Column type	Data type and restrictions
SensorModeNum	Number of radios in sensor mode.	N/A	Unsigned integer. Value range: 0 to 4294967295.
HybirdModeNum	Number of radios in hybird mode.	N/A	Unsigned integer. Value range: 0 to 4294967295.
ChannelBusyLower10PctNum	Number of radios which channel busy is lower than 10%	N/A	Unsigned integer. Value range: 0 to 4294967295.
ChannelBusy10PctNum	Number of radios which channel busy is between 10% and 20%	N/A	Unsigned integer. Value range: 0 to 4294967295.
ChannelBusy20PctNum	Number of radios which channel busy is between 20% and 30%	N/A	Unsigned integer. Value range: 0 to 4294967295.
ChannelBusy30PctNum	Number of radios which channel busy is between 30% and 40%	N/A	Unsigned integer. Value range: 0 to 4294967295.
ChannelBusy40PctNum	Number of radios which channel busy is between 40% and 50%	N/A	Unsigned integer. Value range: 0 to 4294967295.
ChannelBusy50PctNum	Number of radios which channel busy is between 50% and 60%	N/A	Unsigned integer. Value range: 0 to 4294967295.
ChannelBusy60PctNum	Number of radios which channel busy is between 60% and 70%	N/A	Unsigned integer. Value range: 0 to 4294967295.
ChannelBusy70PctNum	Number of radios which channel busy is between 70% and 80%	N/A	Unsigned integer. Value range: 0 to 4294967295.
ChannelBusy80PctNum	Number of radios which channel busy is between 80% and 90%	N/A	Unsigned integer. Value range: 0 to 4294967295.
ChannelBusy90PctNum	Number of radios which channel busy is upper than 90%	N/A	Unsigned integer. Value range: 0 to 4294967295.
NoiseFloorLower105Num	Number of radios which noise floor is lower than 105dbm	N/A	Unsigned integer. Value range: 0 to 4294967295.
NoiseFloor100Num	Number of radios which noise floor is between 100dbm and	N/A	Unsigned integer. Value range: 0 to 4294967295.

Column name	Column description	Column type	Data type and restrictions
	105dbm		
NoiseFloor95Num	Number of radios which noise floor is between 95dbm and 100dbm	N/A	Unsigned integer. Value range: 0 to 4294967295.
NoiseFloor90Num	Number of radios which noise floor is between 90dbm and 95dbm	N/A	Unsigned integer. Value range: 0 to 4294967295.
NoiseFloor85Num	Number of radios which noise floor is between 85dbm and 90dbm	N/A	Unsigned integer. Value range: 0 to 4294967295.
NoiseFloor80Num	Number of radios which noise floor is between 80dbm and 85dbm	N/A	Unsigned integer. Value range: 0 to 4294967295.
NoiseFloor75Num	Number of radios which noise floor is between 75dbm and 80dbm	N/A	Unsigned integer. Value range: 0 to 4294967295.
NoiseFloor70Num	Number of radios which noise floor is between 70dbm and 75dbm	N/A	Unsigned integer. Value range: 0 to 4294967295.
NoiseFloorUpper70Num	Number of radios which noise floor is upper than 70dbm	N/A	Unsigned integer. Value range: 0 to 4294967295.
Dot11InterfLower10PctNum	Number of radios which 802.11 interference is lower than 10%	N/A	Unsigned integer. Value range: 0 to 4294967295.
Dot11Interf10PctNum	Number of radios which 802.11 interference is between 10% and 20%	N/A	Unsigned integer. Value range: 0 to 4294967295.
Dot11Interf20PctNum	Number of radios which 802.11 interference is between 20% and 30%	N/A	Unsigned integer. Value range: 0 to 4294967295.
Dot11Interf30PctNum	Number of radios which 802.11 interference is between 30% and 40%	N/A	Unsigned integer. Value range: 0 to 4294967295.
Dot11Interf40PctNum	Number of radios which 802.11 interference is between 40% and 50%	N/A	Unsigned integer. Value range: 0 to 4294967295.

Column name	Column description	Column type	Data type and restrictions
Dot11Interf50PctNum	Number of radios which 802.11 interference is between 50% and 60%	N/A	Unsigned integer. Value range: 0 to 4294967295.
Dot11Interf60PctNum	Number of radios which 802.11 interference is between 60% and 70%	N/A	Unsigned integer. Value range: 0 to 4294967295.
Dot11Interf70PctNum	Number of radios which 802.11 interference is between 70% and 80%	N/A	Unsigned integer. Value range: 0 to 4294967295.
Dot11Interf80PctNum	Number of radios which 802.11 interference is between 80% and 90%	N/A	Unsigned integer. Value range: 0 to 4294967295.
Dot11Interf90PctNum	Number of radios which 802.11 interference is upper than 90%	N/A	Unsigned integer. Value range: 0 to 4294967295.
NonDot11InterfLower10PctNum	Number of radios which non-802.11 interference is lower than 10%	N/A	Unsigned integer. Value range: 0 to 4294967295.
NonDot11Interf10PctNum	Number of radios which non-802.11 interference is between 10% and 20%	N/A	Unsigned integer. Value range: 0 to 4294967295.
NonDot11Interf20PctNum	Number of radios which non-802.11 interference is between 10% and 20%	N/A	Unsigned integer. Value range: 0 to 4294967295.
NonDot11Interf30PctNum	Number of radios which non-802.11 interference is between 20% and 30%	N/A	Unsigned integer. Value range: 0 to 4294967295.
NonDot11Interf40PctNum	Number of radios which non-802.11 interference is between 30% and 40%	N/A	Unsigned integer. Value range: 0 to 4294967295.
NonDot11Interf50PctNum	Number of radios which non-802.11 interference is between 50% and 60%	N/A	Unsigned integer. Value range: 0 to 4294967295.
NonDot11Interf60PctNum	Number of radios	N/A	Unsigned integer.

Column name	Column description	Column type	Data type and restrictions
	which non-802.11 interference is between 60% and 70%		Value range: 0 to 4294967295.
NonDot11Interf70PctNum	Number of radios which non-802.11 interference is between 70% and 80%	N/A	Unsigned integer. Value range: 0 to 4294967295.
NonDot11Interf80PctNum	Number of radios which non-802.11 interference is between 80% and 90%	N/A	Unsigned integer. Value range: 0 to 4294967295.
NonDot11Interf90PctNum	Number of radios which non-802.11 interference is upper than 90%	N/A	Unsigned integer. Value range: 0 to 4294967295.
RunSPMNum	Number of running SPMs	N/A	Unsigned integer. Value range: 0 to 65535.
OfflineSPMNum	Number of offline SPMs	N/A	Unsigned integer. Value range: 0 to 65535.
MaxRunApNum	Max number of running Aps	N/A	Unsigned integer. Value range: 0 to 65535.
MaxPersistentApNum	Max number of persistent Aps	N/A	Unsigned integer. Value range: 0 to 65535.

AP/GlobalCfg

This table contains the informations of global.

XML structure

```

<AP>
  <GlobalCfg>
    <AutoAp></AutoAp>
    <AutoPersistent></AutoPersistent>
    <RegionCode></RegionCode>
    <RegionLock></RegionLock>
    <Priority></Priority>
    <Preempt></Preempt>
    <EchoInterval></EchoInterval>
    <EchoCount></EchoCount>
    <RetransInterval></RetransInterval>
    <RetransCount></RetransCount>
    <StatisInterval></StatisInterval>
    <FirmwareUpgrade></FirmwareUpgrade>

```



```

<BackupACIPv4></BackupACIPv4>
<BackupACIPv6></BackupACIPv6>
<TunnelEncryption></TunnelEncryption>
<MainAPName></MainAPName>
<Gps></Gps>
<LocalAC></LocalAC>
<CentralACIPv4></CentralACIPv4>
<CentralACIPv6></CentralACIPv6>
<ContralAddress></ContralAddress>
<ControlAddressIPv4></ControlAddressIPv4>
<ControlAddressIPv6></ControlAddressIPv6>
</GlobalCfg>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	GlobalCfg
Table type	Single-instance table
Row name	N/A
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AutoAp	Whether an AP can connect the AC without creating a manual AP.	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. Default value is false.	N/A
AutoPersist ent	When an auto AP connects the AC , whether convert the AP to manual AP automatically.	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. Default value is false.	N/A
RegionCode	Region code of AP group.	N/A	Unsigned short.	Conform to ISO 3166 standart.
RegionLock	Whether the region code of the AC is locked.	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. Default value is false.	N/A
Priority	AP connection priority	N/A	Unsigned short. Value range: 0 to 7.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Preempt	Whether the AP in this group will be forced to switch the backup tunnel to active by priority.	N/A	Boolean: <ul style="list-style-type: none"> true: Switch false: Not switch 	N/A
EchoInterval	The transmit interval of tunnel echo messages.	N/A	Unsigned short. Value range: 0, 5 to 255. Unit: seconds	N/A
EchoCount	The allowed maximum number of echo messages which are not received. If the count is reached, the tunnel will be down.	N/A	Unsigned short. Value range: 1 to 20.	N/A
RetransInterval	The interval to retransmit a request message.	N/A	Unsigned short. Value range: 1 to 30. Unit: seconds	N/A
RetransCount	The allowed maximum number of retransmission attempts. If the count is reached, the tunnel will be down.	N/A	Unsigned short. Value range: 1 to 20. Unit: seconds.	N/A
StatInterval	The interval of AP sending the statistics informations to AC.	N/A	Unsigned short. Value range: 0 to 240. Unit: seconds.	N/A
FirmwareUpgrade	Whether the AC will upgrade AP's firmware automatically if the software is mismatch.	N/A	Boolean: <ul style="list-style-type: none"> true: Enable false: Disable 	N/A
BackupACIPv4	The IPv4 backup AC address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
BackupACIPv6	The IPv6 backup AC address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.
TunnelEncryption	Whether to enable tunnel encryption.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable false—Disable 	N/A
MainAPName	AP name.	N/A	String, lowercase. Length: 1 to 64 characters.	Only for FatAP Type.
Gps	Gps.	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	Only for FatAP Type

Column name	Column description	Column type	Data type and restrictions	Remarks
LocalAC	Whether to enable Local ac.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	Only for Local-ac Type
CentralACIPv4	The IPv4 Central AC address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1. Only for Local-ac Type
CentralACIPv6	The IPv6 Central AC address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1. Only for Local-ac Type
ControlAddress	CAPWAP control address configuration.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
ControlAddressIPv4	Specify an AC IPv4 address for AC rediscovery	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
ControlAddressIPv6	Specify an AC IPv4 address for AC rediscovery	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.

AP/ManualAP

This table contains information of manual AP.

XML structure

```

<AP>
  <ManualAP>
    <AP>
      <Name></Name>
      <Model></Model>
      <CfgSerialID></CfgSerialID>
      <CfgMacAddress></CfgMacAddress>
      <RadioNum></RadioNum>
      <Status></Status>
      <GroupName></GroupName>
      <RegionCode></RegionCode>
      <RegionLock></RegionLock>
      <Priority></Priority>
      <Preempt></Preempt>
      <EchoInterval></EchoInterval>
      <EchoCount></EchoCount>
      <RetransInterval></RetransInterval>
      <RetransCount></RetransCount>
      <StatisInterval></StatisInterval>
      <FirmwareUpgrade></FirmwareUpgrade>
      <BackupACIPv4></BackupACIPv4>
      <BackupACIPv6></BackupACIPv6>

```

```

    <LocationName></LocationName>
    <Description></Description>
    <TunnelEncryption></TunnelEncryption>
    <OfflineTime></OfflineTime>
    <OfflineMoment></OfflineMoment>
    <ControlAddress></ControlAddress>
    <ControlAddressIPv4></ControlAddressIPv4>
    <ControlAddressIPv6></ControlAddressIPv6>
    <ProvisionAutoUpgrade></ProvisionAutoUpgrade>
    <ProvisionAutoRecover></ProvisionAutoRecover>
    <ModelType></ModelType>
  </AP>
</ManualAP>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	ManualAP
Table type	Multi-instance table
Row name	AP
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	N/A
Model	AP model name.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
CfgSerialID	Configured AP serial ID.	N/A	String, uppercase. Length: 1 to 127 characters.	N/A
CfgMacAddress	Configured AP MAC address.	N/A	Six groups of two hexadecimal digits, hyphen-separated.	Example: 00-0c-af-e3-5d-c0.
RadioNum	Number of the radio.	N/A	Unsigned short. Value range: 1 to 4.	N/A
Status	AP associated status.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Online 2—Offline 3—Image downloading 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	The name of AP group which the AP belongs to.	N/A	String, lowercase. Length: 1 to 31 characters.	N/A
RegionCode	Region code of AP.	N/A	Unsigned short.	Conform to ISO 3166 standart.
RegionLock	Whether the region code of the AP is locked.	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
Priority	AP connection priority.	N/A	Unsigned short. Value range: 0 to 7.	N/A
Preempt	Whether the AP will be forced to switch the backup tunnel to active by priority.	N/A	Boolean: <ul style="list-style-type: none"> true: Switch false: Not switch 	N/A
EchoInterval	The transmit interval of tunnel echo messages.	N/A	Unsigned short. Value range: 0, 5 to 255. Unit: seconds	N/A
EchoCount	The allowed maximum number of echo messges which are not received. If the count is reached, the tunnel will be down.	N/A	Unsigned short. Value range: 1 to 20.	N/A
RetransInterval	The interval to retransmit a request message.	N/A	Unsigned short. Value range: 1 to 30. Unit: seconds.	N/A
RetransCount	The allowed maximum number of retransmission attempts. If the count is reached, the tunnel will be down.	N/A	Unsigned short. Value range: 1 to 20. Unit: seconds.	N/A
StatisInterval	RetransCount	N/A	Unsigned short. Value range: 0 to 240. Unit: seconds Default value is 50 seconds.	N/A
FirmwareUpgrade	Whether the AC will upgrade AP's firmware automatically if the software is mismatch.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable false—Disable 	N/A
BackupACIPv4	The IPv4 backup AC address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.

Column name	Column description	Column type	Data type and restrictions	Remarks
BackupACIPv6	The IPv6 backup AC address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.
LocationName	Which location the AP group belongs to.	N/A	String, lowercase. Length: 1 to 31 characters.	N/A
Description	The description of AP.	N/A	String, Length: 1 to 64 cahracters.	N/A
TunnelEncryption	Whether to enable tunnel encryption.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable false—Disable 	N/A
OfflineTime	The time since the AP online.	N/A	Unsigned integer. Value range: 0 to 4294967295. Unit: Second	N/A
OfflineMoment	The time of the AP offline in last time.	N/A	DateTime. Format: YYYY-MM-DDTHH:MM:SS	Example: 2014-05-07T09:35:07
ControlAddress	CAPWAP control address configuration	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
ControlAddressIPv4	Specify an AC IPv4 address for AC rediscovery	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
ControlAddressIPv6	Specify an AC IPv4 address for AC rediscovery	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.
ProvisionAutoUpgrade	Whether to enable provision auto-upgrade.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
ProvisionAutoRecover	Whether to enable provision auto-recover.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable 	N/A
ModelType	Whether to enabel wtu configuration	N/A	Enumeration: <ul style="list-style-type: none"> 1—normal 2—wt 3—wtu 	When the value is 3, some command can not be configured.

AP/APRunningCfg

This table contains information of AP running configurations.

XML structure

<AP>

```

<APRunningCfg>
  <AP>
    <Name></Name>
    <RegionCode></RegionCode>
    <RegionLock></RegionLock>
    <Priority></Priority>
    <Preempt></Preempt>
    <EchoInterval></EchoInterval>
    <EchoCount></EchoCount>
    <RetransInterval></RetransInterval>
    <RetransCount></RetransCount>
    <StatisInterval></StatisInterval>
    <FirmwareUpgrade></FirmwareUpgrade>
    <BackupACIPv4></BackupACIPv4>
    <BackupACIPv6></BackupACIPv6>
    <LocationName></LocationName>
    <Description></Description>
    <TunnelEncryption></TunnelEncryption>
  </AP>
</APRunningCfg>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	APRunningCfg
Table type	Multi-instance table
Row name	AP
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	N/A
RegionCode	Region code of AP.	N/A	Unsigned short.	Conform to ISO 3166 standard.
RegionLock	Whether the region code of the AP is locked.	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
Priority	AP connection priority.	N/A	Unsigned short. Value range: 0 to 7.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Preempt	Whether the AP will be forced to switch the backup tunnel to active by priority.	N/A	Boolean: <ul style="list-style-type: none"> true: Switch false: Not switch 	N/A
EchoInterval	The transmit interval of tunnel echo messages.	N/A	Unsigned short. Value range: 0, 5 to 255. Unit: seconds	N/A
EchoCount	The allowed maximum number of echo messages which are not received. If the count is reached, the tunnel will be down.	N/A	Unsigned short. Value range: 1 to 20.	N/A
RetransInterval	The interval to retransmit a request message.	N/A	Unsigned short. Value range: 1 to 30. Unit: seconds.	N/A
RetransCount	The allowed maximum number of retransmission attempts. If the count is reached, the tunnel will be down.	N/A	Unsigned short. Value range: 1 to 20. Unit: seconds.	N/A
StatInterval	The interval of AP sending the statistics informations to AC.	N/A	Unsigned short. Value range: 0 to 240. Unit: seconds.	N/A
FirmwareUpgrade	Whether the AC will upgrade AP's firmware automatically if the software is mismatch.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable false—Disable 	N/A
BackupACIPv4	The IPv4 backup AC address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
BackupACIPv6	The IPv6 backup AC address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.
LocationName	Which location the AP group belongs to.	N/A	String, lowercase. Length: 1 to 31 characters.	N/A
Description	The description of AP.	N/A	String, Length: 1 to 64 characters.	N/A
TunnelEncryption	Whether to enable tunnel encryption.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable false—Disable 	N/A

AP/RunAP

This table contains the information of the running AP.

XML structure

```
<AP>
  <RunAP>
    <AP>
      <Name></Name>
      <Model></Model>
      <SerialID></SerialID>
      <Type></Type>
      <MacAddress></MacAddress>
      <RadioNum></RadioNum>
      <Status></Status>
      <Ipv4Address></Ipv4Address>
      <Ipv6Address></Ipv6Address>
      <PortNumber></PortNumber>
      <GroupName></GroupName>
      <OnlineTime></OnlineTime>
      <HWVer><HWVer>
      <SWVer><SWVer>
      <BWVer><BWVer>
      <TransCtrlPkt></TransCtrlPkt>
      <RecvCtrlPkt></RecvCtrlPkt>
      <TransDataPkt></TransDataPkt>
      <RecvDataPkt></RecvDataPkt>
      <EchoReqCnt></EchoReqCnt>
      <EchoRespLossCnt></EchoRespLossCnt>
      <DiscoveryType></DiscoveryType>
      <ConfigFailCnt></ConfigFailCnt>
      <LastFailReason></LastFailReason>
      <LastRebootReason></LastRebootReason>
      <TunnelDownReason></TunnelDownReason>
      <ConnectionType></ConnectionType>
      <PeerACIPv4Address><PeerACIPv4Address>
      <PeerACIPv6Address><PeerACIPv6Address>
      <LocationName></LocationName>
      <AuthenticatedFlag></AuthenticatedFlag>
      <LocalACName><LocalACName>
    </AP>
  </RunAP>
</AP>
```

Table description

Item	Description
Feature name	AP
Table name	RunAP
Table type	Multi-instance table
Row name	AP
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	N/A
Model	AP model name.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
SerialID	AP serial ID.	N/A	String, uppercase. Length: 1 to 127 characters.	N/A
Type	AP type.	N/A	Enumeration: <ul style="list-style-type: none">1—auto2—manual	N/A
MacAddress	AP MAC address.	N/A	Six groups of two hexadecimal digits, hyphen-separated.	Example: 00-0c-af-e3-5d-c0.
RadioNum	Number of the radio.	N/A	Unsigned short. Value range: 1 to 4.	N/A
Status	AP associated status.	N/A	Enumeration: <ul style="list-style-type: none">1—Online3—Image downloading	N/A
Ipv4Address	AP IPv4 address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1. This column is unavailable when the AP uses an IPv6 address.
Ipv6Address	AP IPv6 address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1. This column is unavailable when the AP uses an IPv4 address.
PortNumber	AP port number.	N/A	Unsigned integer. Value range: 1 to 65535.	N/A
GroupName	The name of AP group which the AP belongs to.	N/A	String, lowercase. Length: 1 to 31 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
OnlineTime	The time since the AP online.	N/A	Unsigned integer. Value range: 0 to 4294967295. Unit: Second	N/A
HWVer	The version of AP hardware.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Ver.A 2—Ver.B 3—Ver.C 4—Ver.D 5—Ver.E 	N/A
SWVer	The version of AP software.	N/A	String. Length: 1 to 31 characters.	N/A
BWVer	The version of AP bootrom.	N/A	String. Length: 1 to 31 characters.	N/A
TransCtrlPkt	Count of transmitted control packets.	N/A	Unsigned integer. Value range: 0 to 4294967295.	N/A
RecvCtrlPkt	Count of received control packets.	N/A	Unsigned integer. Value range: 0 to 4294967295.	N/A
TransDataPkt	Count of transmitted data packets.	N/A	Unsigned integer. Value range: 0 to 4294967295.	N/A
RecvDataPkt	Count of received data packets.	N/A	Unsigned integer. Value range: 0 to 4294967295.	N/A
EchoReqCnt	Count of echo request packets.	N/A	Unsigned integer. Value range: 0 to 4294967295.	N/A
EchoRespLossCnt	Count of lost echo response packets.	N/A	Unsigned integer. Value range: 0 to 4294967295.	N/A
DiscoveryType	By which type the AP find the AC.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Unknown 2—DHCP 3—Static Configuration 4—DNS 	N/A
ConfigFailCnt	Count of failed Configuration.	N/A	Unsigned integer. Value range: 0 to 4294967295.	N/A
LastFailReason	The cause of synchronizing configurations to the AP failed in	N/A	String. Length: 1 to 31 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	last time.			
LastReboot Reason	The cause of the AP rebooting in last time.	N/A	String. Length: 1 to 31 characters.	N/A
TunnelDown Reason	The cause of the tunnel down in last time.	N/A	String. Length: 1 to 31 characters.	N/A
Connection Type	The connection type of tunnel.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Active 2—Standby 	N/A
PeerACIPv4 Address	The IPv4 address of peer AC that AP is connecting to.	N/A	String, dotted decimal notation.	Example: 1.1.1.1. This column is unavailable when the AP uses an IPv6 address.
PeerACIPv6 Address	The IPv6 address of peer AC that AP is connecting to.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1. This column is unavailable when the AP uses an IPv4 address.
LocationName	Which location the AP group belongs to.	N/A	String, lowercase. Length: 1 to 31 characters.	N/A
AuthenticatedFlag	Whether the auto-ap is authenticated.	N/A	Boolean: <ul style="list-style-type: none"> Enable Disable 	When AP type is manual AP, this column is invalid.
LocalACName	Local-ac name.	N/A	String, lowercase. Length: 1 to 64 characters.	N/A

AP/APHistory

This table contains the information of the AP history.

XML structure

```

<AP>
  <APHistory>
    <AP>
      <Name></Name>
      <LatestIPV4Address></LatestIPV4Address>
      <LatestIPV6Address></LatestIPV6Address>
      <ConnectCnt></ConnectCnt>
    </AP>
  </APHistory>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	APHistory
Table type	Multi-instance table
Row name	AP
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	N/A
LatestIPv4Address	The latest IPv4 address that AP used.	N/A	String, dotted decimal notation.	Example: 1.1.1.1. This column is unavailable when the AP uses an IPv6 address.
LatestIPv6Address	The latest IPv6 address that AP used.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1. This column is unavailable when the AP uses an IPv4 address.
ConnectCnt	The count that the AP connected the AC.	N/A	Unsigned integer. Value range: 0 to 4294967295.	N/A

AP/RadioOfManualAP

This table contains radio information of manual AP.

XML structure

```
<AP>
  <RadioOfManualAP>
    <Radio>
      <ApName></ApName>
      <RadioID></RadioID>
      <Mode></Mode>
      <SupportDot11B></SupportDot11B>
      <SupportDot11A></SupportDot11A>
      <SupportDot11G></SupportDot11G>
      <SupportDot11GN></SupportDot11GN>
      <SupportDot11AN></SupportDot11AN>
      <SupportDot11GAC></SupportDot11GAC>
```

```

    <SupportDot11AC></SupportDot11AC>
    <Bandwidth></Bandwidth>
    <Spectrum></Spectrum>
    <Status></Status>
    <RateMulticast></RateMulticast>
    <RateMandatory></RateMandatory>
    <RateSupported></RateSupported>
    <RateDisabled></RateDisabled>
    <Preamble></Preamble>
    <BeaconInterval></BeaconInterval>
    <PowerLock></PowerLock>
    <ChannelAutoLock></ChannelAutoLock>
    <Distance></Distance>
    <MaxRxDuration></MaxRxDuration>
    <FragmentThreshold></FragmentThreshold>
    <LongRetryThreshold></LongRetryThreshold>
    <ProtectionThreshold></ProtectionThreshold>
    <ShortRetryThreshold></ShortRetryThreshold>
    <CfgChannel></CfgChannel>
    <CfgMaxPower></CfgMaxPower>
    <ProtectionMode></ProtectionMode>
  </Radio>
</RadioOfManualAP>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	RadioOfManualAP
Table type	Multi-instance table
Row name	Radio
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	N/A
RadioID	Radio ID.	Index	Unsigned short. Value range: 1 to 31.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Mode	Radio mode.	N/A	Enumeration: <ul style="list-style-type: none"> 1—802.11b 2—802.11a 3—802.11g 4—802.11n(2.4GHz) 5—802.11n(5GHz) 6—802.11ac(2.4GHz) 7—802.11ac(5GHz) 	N/A
SupportDot11B	Whether a radio supports 802.11b radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11A	Whether a radio supports 802.11a radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11G	Whether a radio supports 802.11g radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11GN	Whether a radio supports 802.11n(2.4GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11AN	Whether a radio supports 802.11n(5GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11GAC	Whether a radio supports 802.11ac(2.4GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11AC	Whether a radio supports 802.11ac(5GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
Bandwidth	Radio bandwidth.	N/A	Enumeration: <ul style="list-style-type: none"> 1—20M 2—40M 3—80M 4—160M 5—80M + 80M 17—5M 18—10M 	N/A
Spectrum	Supported radio spectrum.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Support both 5GHz and 2.4GHz 2—Support 5GHz only 3—Support 2.4GHz only 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Status	Radio status.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable 1—Enable 2—Inherit 	N/A
RateMulticast	Multicast.	N/A	Enumeration: <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps 13—auto If this column is not configured, the multicast rate will be calculated automatically.	The value can have multi-selections. List of enumeration, separated by comma Example: 1, 2.
RateMandatory	Mandatory rate.	N/A	Enumeration: <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps 	The value can have multi-selections. List of enumeration, separated by comma Example: 1, 2.

Column name	Column description	Column type	Data type and restrictions	Remarks
RateSupported	Supported rate.	N/A	Enumeration: <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps 	The value can have multi-selections, exclude the one which multicast rate uses. List of enumeration, separated by comma Example: 1, 2.
RateDisabled	Disabled rate.	N/A	Enumeration: <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps 	The value can have multi-selections, exclude the one which multicast rate uses. List of enumeration, separated by comma Example: 1, 2.
Preamble	Preamble.	N/A	Boolean: <ul style="list-style-type: none"> true—Short. false—Long. The column is only for 2.4GHz radio mode.	N/A
BeaconInterval	Beacon Interval time.	N/A	Unsigned short. The value range is 32~8191. Unit: TU. 1TU = 1024ms	N/A
PowerLock	Lock the power.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable 1—Enable 2—Inherit 	N/A
Distance	The distance that Radio can cover.	N/A	Unsigned short. The value range is 1~40. Unit: km(kilometre).	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
MaxRxDuration	Max Received frame duration time.	N/A	Unsigned integer. The value range is 500~250000. Unit: ms(millisecond).	N/A
FragmentThreshold	Fragment threshold.	N/A	Unsigned short. The value range is 256~2346.And the value must be an even number. Unit: byte.	N/A
LongRetryThreshold	Long retry threshold.	N/A	Unsigned short. The value range is 1~15. Unit: null.	N/A
ProtectionThreshold	ProtectionThreshold.	N/A	Unsigned short. The value range is 0~2346. Unit: byte.	N/A
ShortRetryThreshold	ShortRetryThreshold.	N/A	Unsigned short. The value range is 1~15. Unit: null.	N/A
CfgChannel	Configured channel number.	N/A	The value range conforms to "AP/ChannelDB/Supported ChannelList" column. And 15 - auto lock、16-auto unlock.	When the value is 15, the radio automatically selects an optimal channel, and then locks the channel. When the AC detects any radar signals on its channel, it immediately selects another channel (even if the channel auto lock is true) and locks the new channel.
CfgMaxPower	Configured maximum power.	N/A	Unsigned short. Value range: 1 to "AP/PowerDB/ValidMaxPower". Unit: dBm	N/A
ProtectionMode	Protection mode.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Rts/Cts. 2—Cts To Self 	N/A

AP/RadioRunningCfg

This table contains radio information of radio running configurations.

XML structure

```
<AP>
  <RadioRunningCfg>
```

```

<Radio>
  <ApName></ApName>
  <RadioID></RadioID>
  <Mode></Mode>
  <SupportDot11B></SupportDot11B>
  <SupportDot11A></SupportDot11A>
  <SupportDot11G></SupportDot11G>
  <SupportDot11GN></SupportDot11GN>
  <SupportDot11AN></SupportDot11AN>
  <SupportDot11GAC></SupportDot11GAC>
  <SupportDot11AC></SupportDot11AC>
  <Bandwidth></Bandwidth>
  <Spectrum></Spectrum>
  <Status></Status>
  <RateMulticast></RateMulticast>
  <RateMandatory></RateMandatory>
  <RateSupported></RateSupported>
  <RateDisabled></RateDisabled>
  <Preamble></Preamble>
  <BeaconInterval></BeaconInterval>
  <PowerLock></PowerLock>
  <Distance></Distance>
  <MaxRxDuration></MaxRxDuration>
  <FragmentThreshold></FragmentThreshold>
  <LongRetryThreshold></LongRetryThreshold>
  <ProtectionThreshold></ProtectionThreshold>
  <ShortRetryThreshold></ShortRetryThreshold>
  <CfgChannel></CfgChannel>
  <CfgMaxPower></CfgMaxPower>
</Radio>
</RadioRunningCfg>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	RadioRunningCfg
Table type	Multi-instance table
Row name	Radio
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	N/A
RadiolD	Radio ID.	Index	Unsigned short. Value range: 1 to 31.	N/A
Mode	Radio mode.	N/A	Enumeration: <ul style="list-style-type: none"> 1—802.11b 2—802.11a 3—802.11g 4—802.11n(2.4GHz) 5—802.11n(5GHz) 6—802.11ac(2.4GHz) 7—802.11ac(5GHz) 	N/A
SupportDot11B	Whether a radio supports 802.11b radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11A	Whether a radio supports 802.11a radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11G	Whether a radio supports 802.11g radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11GN	Whether a radio supports 802.11n(2.4GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11AN	Whether a radio supports 802.11n(5GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11GAC	Whether a radio supports 802.11ac(2.4GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11AC	Whether a radio supports 802.11ac(5GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Bandwidth	Radio bandwidth.	N/A	Enumeration: <ul style="list-style-type: none"> 1—20M 2—40M 3—80M 4—160M 5—80M + 80M 17—5M 18—10M 	N/A
Spectrum	Supported radio spectrum.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Support both 5GHz and 2.4GHz 2—Support 5GHz only 3—Support 2.4GHz only 	N/A
Status	Radio status.	N/A	Enumeration: <ul style="list-style-type: none"> Disable Enable 	N/A
RateMulticast	Multicast rate.	N/A	Enumeration: <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps 13—auto 	The value can have multi-selections. List of enumeration, separated by comma Example: 1, 2.

Column name	Column description	Column type	Data type and restrictions	Remarks
RateMandatory	Mandatory rate.	N/A	Enumeration: <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps 	The value can have multi-selections. List of enumeration, separated by comma Example: 1, 2.
RateSupported	Supported rate.	N/A	Enumeration: <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps 	The value can have multi-selections, exclude the one which multicast rate uses. List of enumeration, separated by comma Example: 1, 2.
RateDisabled	Disabled rate.	N/A	Enumeration: <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps 	The value can have multi-selections, exclude the one which multicast rate uses. List of enumeration, separated by comma Example: 1, 2.

Column name	Column description	Column type	Data type and restrictions	Remarks
Preamble	Preamble.	N/A	Boolean: <ul style="list-style-type: none"> true—Short. false—Long. The column is only for 2.4GHz radio mode.	N/A
BeaconInterval	Beacon Interval time.	N/A	Unsigned short. The value range is 32~8191. Unit: TU. 1TU = 1024ms	N/A
PowerLock	Lock the power.	N/A	Enumeration: <ul style="list-style-type: none"> Disable Enable 	N/A
	Lock the channel or not		Boolean: <ul style="list-style-type: none"> true—ChannelAutoLock. false—ChannelAutoUnlock. The default value is true.	When the value is true, the radio automatically selects an optimal channel, and then locks the channel. When the AC detects any radar signals on its channel, it immediately selects another channel (even if the channel auto lock is true) and locks the new channel.
Distance	The distance that Radio can cover.	N/A	Unsigned short. The value range is 1~40. Unit: km(kilometre).	N/A
MaxRxDuration	Max Reveived frame duration time.	N/A	Unsigned integer. The value range is 500~250000. Unit: ms(millisecond).	N/A
FragmentThreshold	Fragment threshold.	N/A	Unsigned short. The value range is 256~2346. And the value must be an even number. Unit: byte.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
LongRetryThreshold	LongRetryThreshold.	N/A	Unsigned short. The value range is 1~15. Unit: null.	N/A
ProtectionThreshold	ProtectionThreshold.	N/A	Unsigned short. The value range is 0~2346. Unit: byte.	N/A
ShortRetryThreshold	ShortRetryThreshold.	N/A	Unsigned short. The value range is 1~15. Unit: null.	N/A
CfgChannel	Configured channel number.	N/A	The value range conforms to AP/ChannelDB/Supported ChannelList" column. And 15 - auto lock、 16-auto unlock.	When the value is 15, the radio automatically selects an optimal channel, and then locks the channel. When the AC detects any radar signals on its channel, it immediately selects another channel (even if the channel auto lock is true) and locks the new channel.
CfgMaxPower	Configured maximum power.	N/A	Unsigned short. Value range: 1 to "AP/PowerDB/ValidMaxPower". Unit: dBm	N/A

AP/Radio11n

This table contains radio 802.11n information.

XML structure

```

<AP>
  <Radio11n>
    <Dot11n>
      <ApName></ApName>
      <RadioID></RadioID>
      <MCSMulticast></MCSMulticast>
      <MCSMandatory></MCSMandatory>
      <MCSSupported></MCSSupported>
      <Ampdu></Ampdu>
      <Amsdu></Amsdu>
      <ShortGI></ShortGI>
      <Stbc></Stbc>
      <Ldpc></Ldpc>
      <Mimo></Mimo>
    
```



```

    <Greenap></Greenap>
    <SmartAntenna></SmartAntenna>
    <SmartAntennaPolicy></SmartAntennaPolicy>
    <Protection></Protection>
    <Client11nOnly></Client11nOnly>
    <BandwidthAutoswitch></ BandwidthAutoswitch >
  </Dot11n>
</Radio11n>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	Radio11n
Table type	Multi-instance table
Row name	Dot11n
Restrictions	The table is only for 802.11n and 802.11ac radio mode.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	If this column contains uppercase character, it will be converted to lowercase automatically.
RadioID	Radio identifier.	Index	Unsigned char. Value range: 1 to 31.	N/A
MCSMulticast	The index for multicast MCS.	N/A	Unsigned short. Value range: 0 to 76, and 255. Default value is 255.	The MCSMulticast must be smaller than or equal to the MCSMandatory.
MCSMandatory	The maximum index for mandatory MCS.	N/A	Unsigned short. Value range: 0 to 76, and 255. Default value is 255.	The MCSMandatory must be smaller than or equal to the MCSSupported, and the MCSMandatory must be greater than or equal to the MCSMulticast.
MCSSupported	The maximum index for supported MCS.	N/A	Unsigned short. Value range: 0 to 76, and 255. Default value is 255.	The MCSSupported must be greater than or equal to the MCSMandatory.

Column name	Column description	Column type	Data type and restrictions	Remarks
Ampdu	A-mpdu function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Amsdu	A-msdu function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
ShortGI	Short GI function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Stbc	STBC function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Ldpc	LDPC function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Mimo	Mimo.	N/A	Enumeration: <ul style="list-style-type: none"> 1: 1X1 2: 2X2 3: 3X3 4: 4X4 	N/A
Greenap	Green ap function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
SmartAntenna	Smart antenna function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
SmartAntennaPolicy	Smart antenna policy.	N/A	Enumeration: <ul style="list-style-type: none"> 1: Auto 2: High-availability 3: High-throughput 	Effective only when SmartAntenna is enabled.
Protection	802.11n protection function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Client11nOnly	Client dot11n only function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
BandwidthAutoswitch	Bandwidth autoswitch function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. <p>The column is only for 2.4GHz radio mode, and AP/RadiusOfManualAP/Bandwidth must be 2..</p>	N/A

AP/Radio11ac

This table contains radio 802.11ac information.

XML structure

```
<AP>
  <Radio11ac>
    <Dot11ac>
      <ApName></ApName>
      <RadioID></RadioID>
      <VHTNSSMulticast></VHTNSSMulticast>
      <VHTMCSMulticast></VHTMCSMulticast>
      <VHTNSSMandatory></VHTNSSMandatory>
      <VHTNSSSupported></VHTNSSSupported>
      <Client11acOnly></Client11acOnly>
    </Dot11ac>
  </Radio11ac>
</AP>
```

Table description

Item	Description
Feature name	AP
Table name	Radio11ac
Table type	Multi-instance table
Row name	Dot11ac
Restrictions	The table is only for 802.11ac radio mode.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	If this column contains uppercase character, it will be converted to lowercase automatically.
RadioID	Radio identifier.	Index	Unsigned char. Value range: 1 to 31.	N/A
VHTNSSMulticast	The NSS for multicast VHT-MCS.	N/A	Unsigned short. Value range: 0 to 8. Default value is 0.	The VHTNSSMulticast must be smaller than or equal to the VHTNSSMandatory.

Column name	Column description	Column type	Data type and restrictions	Remarks
VHTMCSMulticast	The index for multicast VHT-MCS.	N/A	Unsigned short. Value range: 0 to 9, 255. Default value is 255.	N/A
VHTNSSMandatory	The maximum NSS for mandatory VHT-MCS.	N/A	Unsigned short. Value range: 0 to 8. Default value is 0.	The VHTNSSMandatory must be smaller than or equal to the VHTNSSSupported, and the VHTNSSMandatory must be greater than or equal to the VHTNSSMulticast.
VHTNSSSupported	The maximum NSS for supported VHT-MCS.	N/A	Unsigned short. Value range: 0 to 8. Default value is 0.	The VHTNSSSupported must be greater than or equal to the VHTNSSMandatory.
Client11acOnly	Client dot11ac only function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A

AP/RadioRunningCfg11n

This table contains radio 802.11n information of radio running configurations.

XML structure

```

<AP>
  <RadioRunningCfg11n>
    <Dot11n>
      <ApName></ApName>
      <RadioID></RadioID>
      <MCSMulticast></MCSMulticast>
      <MCSMandatory></MCSMandatory>
      <MCSSupported></MCSSupported>
      <Ampdu></Ampdu>
      <Amsdu></Amsdu>
      <ShortGI></ShortGI>
      <Stbc></Stbc>
      <Ldpc></Ldpc>
      <Mimo></Mimo>
      <Greenap></Greenap>
      <SmartAntenna></SmartAntenna>
      <SmartAntennaPolicy></SmartAntennaPolicy>
      <Protection></Protection>
      <Client11nOnly></Client11nOnly>
      <BandwidthAutoswitch></BandwidthAutoswitch >
    </Dot11n>
  </RadioRunningCfg11n>

```

< /AP>

Table description

Item	Description
Feature name	AP
Table name	RadioRunningCfg11n
Table type	Multi-instance table
Row name	Dot11n
Restrictions	The table is only for 802.11n and 802.11ac radio mode.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	If this column contains uppercase character, it will be converted to lowercase automatically.
RadioID	Radio identifier.	Index	Unsigned char. Value range: 1 to 31.	N/A
MCSMulticast	The index for multicast MCS.	N/A	Unsigned short. Value range: 0 to 76, and 255.	The MCSMulticast must be smaller than or equal to the MCSMandatory.
MCSMandatory	The maximum index for mandatory MCS.	N/A	Unsigned short. Value range: 0 to 76, and 255.	The MCSMandatory must be smaller than or equal to the MCSSupported, and the MCSMandatory must be greater than or equal to the MCSMulticast.
MCSSupported	The maximum index for supported MCS.	N/A	Unsigned short. Value range: 0 to 76, and 255.	The MCSSupported must be greater than or equal to the MCSMandatory.
Ampdu	A-mpdu function.	N/A	Boolean: <ul style="list-style-type: none">true—Enable.false—Disable.	N/A
Amsdu	A-msdu function.	N/A	Boolean: <ul style="list-style-type: none">true—Enable.false—Disable.	N/A
ShortGI	Short GI function.	N/A	Boolean: <ul style="list-style-type: none">true—Enable.false—Disable.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Stbc	STBC function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Ldpc	LDPC function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Mimo	MIMO.	N/A	Enumeration: <ul style="list-style-type: none"> 1: 1X1 2: 2X2 3: 3X3 4: 4X4 	N/A
Greenap	Green ap function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
SmartAntenna	Smart antenna function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
SmartAntennaPolicy	Smart antenna policy.	N/A	Enumeration: <ul style="list-style-type: none"> 1: Auto 2: High-availability 3: High-throughput 	Effective only when SmartAntenna is enabled.
Protection	802.11n protection function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Client11nOnly	Client dot11n only function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
BandwidthAutoswitch	Bandwidth autoswitch function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. The column is only for 2.4GHz radio mode, and AP/ RadioRunningCfg/ Bandwidth must be 2..	N/A

AP/RadioRunningCfg11ac

This table contains radio 802.11ac information of radio running configurations.

XML structure

```

<AP>
  <RadioRunningCfg11ac>
    <Dot11ac>

```

```

    <ApName></ApName>
    <RadioID></RadioID>
    <VHTNSSMulticast></VHTNSSMulticast>
    <VHTMCSMulticast></VHTMCSMulticast>
    <VHTNSSMandatory></VHTNSSMandatory>
    <VHTNSSSupported></VHTNSSSupported>
    <Client11acOnly></Client11acOnly>
  </Dot11ac>
</RadioRunningCfg11ac>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	RadioRunningCfg11ac
Table type	Multi-instance table
Row name	Dot11ac
Restrictions	The table is only for 802.11ac radio mode.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	If this column contains uppercase character, it will be converted to lowercase automatically.
RadioID	Radio identifier.	Index	Unsigned char. Value range: 1 to 31.	N/A
VHTNSSMulticast	The NSS for multicast VHT-MCS.	N/A	Unsigned short. Value range: 0 to 8.	The VHTNSSMulticast must be smaller than or equal to the VHTNSSMandatory.
VHTMCSMulticast	The index for multicast VHT-MCS.	N/A	Unsigned short. Value range: 0 to 9, 255.	N/A
VHTNSSMandatory	The maximum NSS for mandatory VHT-MCS.	N/A	Unsigned short. Value range: 0 to 8.	The VHTNSSMandatory must be smaller than or equal to the VHTNSSSupported, and the VHTNSSMandatory must be greater than or equal to the VHTNSSMulticast.

Column name	Column description	Column type	Data type and restrictions	Remarks
VHTNSSSupported	The maximum NSS for supported VHT-MCS.	N/A	Unsigned short. Value range: 0 to 8.	The VHTNSSSupported must be greater than or equal to the VHTNSSMandatory.
Client11acOnly	Client dot11ac only function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A

AP/RadioOfRunAP

This table contains radio information of running AP.

XML structure

```

<AP>
  <RadioOfRunAP>
    <Radio>
      <ApName></ApName>
      <RadioID></RadioID>
      <Mode></Mode>
      <Bandwidth></Bandwidth>
      <Status></Status>
      <Channel></Channel>
      <SecondaryOffSet></SecondaryOffSet>
      <MaxPower></MaxPower>
      <BasicBSSID></BasicBSSID>
      <TxPower></TxPower>
      <NoiseFloor></NoiseFloor>
      <ChannelBusy></ChannelBusy>
    </Radio>
  </RadioOfRunAP>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	RadioOfRunAP
Table type	Multi-instance table
Row name	Radio
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	N/A
RadiolD	Radio ID.	Index	Unsigned short. Value range: 1 to 31.	N/A
Mode	Radio mode.	N/A	Enumeration: <ul style="list-style-type: none"> 1—802.11b 2—802.11a 3—802.11g 4—802.11n(2.4GHz) 5—802.11n(5GHz) 6—802.11ac(2.4GHz) 7—802.11ac(5GHz) 	N/A
Bandwidth	Radio bandwidth.	N/A	Enumeration: <ul style="list-style-type: none"> 1—20M 2—40M 3—80M 4—160M 5—80M + 80M 17—5M 18—10M 	N/A
Status	Radio status.	N/A	Enumeration: <ul style="list-style-type: none"> enable disable 	N/A
Channel	Channel number.	N/A	Unsigned short. The value range is related to AP model, radio mode, antenna type and region code.	N/A
SecondaryOffsetSet	Secondary channel offset.	N/A	Enumeration: <ul style="list-style-type: none"> 0: None 1: Above 2: Below 	N/A
MaxPower	Maximum power.	N/A	Unsigned short. The value range is related to AP model, radio mode, antenna type, channel number and region code. Unit: dBm	N/A
BasicBSSID	BasicBSSID.	N/A	Six groups of two hexadecimal digits, hyphen-separated.	Example: 00-0c-af-e3-5d-c0.

Column name	Column description	Column type	Data type and restrictions	Remarks
TxPower	TxPower.	N/A	Unsigned short.	N/A
NoiseFloor	NoiseFloor.	N/A	String, Length: 1 to 7 characters.	N/A
ChannelBusy	ChannelBusy	N/A	Unsigned short.	N/A

AP/PrvsOfManualAP

This table contains provision information of manual AP.

XML structure

```

<AP>
  <PrvsOfManualAP>
    <Prvs>
      <ApName></ApName>
      <ACHostName></ACHostName>
      <ACIPv4></ACIPv4>
      <ACIPv6></ACIPv6>
      <DnsDomain></DnsDomain>
      <DnsServerIPv4></DnsServerIPv4>
      <DnsServerIPv6></DnsServerIPv6>
      <GatewayIPv4></GatewayIPv4>
      <GatewayIPv6></GatewayIPv6>
      <IPv4Address></IPv4Address>
      <IPv6Address></IPv6Address>
      <Dot1xSupplAnonyIdent></Dot1xSupplAnonyIdent>
      <Dot1xSupplEapMethod></Dot1xSupplEapMethod>
      <Dot1xSupplEnable></Dot1xSupplEnable>
      <Dot1xSupplPasswdCiper></Dot1xSupplPasswdCiper>
      <Dot1xSupplPasswdSimple></Dot1xSupplPasswdSimple>
      <Dot1xSupplUsername></Dot1xSupplUsername>
    </Prvs>
  </PrvsOfManualAP>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	PrvsOfManualAP
Table type	Multi-instance table
Row name	Prvs

Item	Description
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	If this column contains uppercase character, it will be converted to lowercase automatically.
ACHostName	Specify an AC by its hostname.	N/A	String. Length: 1 to 253 characters.	N/A
ACIPv4	Specify an AC by its IPv4 address.	N/A	List of string, dotted decimal notation, Separated by comma.	Example: 1.1.1.1, 1.1.1.2.
ACIPv6	Specify an AC by its IPv6 address.	N/A	List of hexadecimal string, colon-separated, Separated by comma.	Example: 1:1::1:1, 1:1::1:2.
DnsDomain	Specify the domain name suffix.	N/A	String. Length: 1 to 253.	N/A
DnsServerIPv4	Specify a DNS server by its IPv4 address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
DnsServerIPv6	Specify a DNS server by its IPv6 address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.
GatewayIPv4	Specify a gateway by its IPv4 address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
GatewayIPv6	Specify a gateway by its IPv6 address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.
IPv4Addresses	Specify an IP address that the AP uses to establish a CAPWAP tunnel.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
IPv6Addresses	Specify an IPv6 address that the AP uses to establish a CAPWAP tunnel.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.
Dot1xSupplicantAnonyIdent	Specify an anonymous identifier for the supplicant.	N/A	String. Length: 1 to 253 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Dot1xSupplEapMethod	Specify an EAP authentication method.	N/A	Enumeration: <ul style="list-style-type: none"> 1—md5 2—peap-gtc 3—peap-mschapv2 4—tls-gtc 5—tls-mschapv2 	N/A
Dot1xSupplEnable	Enable the 802.1X supplicant feature.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Dot1xSupplPasswdCipher	Specify a ciphertext password for the 802.1X supplicant.	N/A	String. Length: 1 to 201 characters.	N/A
Dot1xSupplPasswdSimple	Specify a plaintext password for the 802.1X supplicant.	N/A	String. Length: 1 to 127 characters.	N/A
Dot1xSupplUsername	Specify a username for the 802.1X supplicant.	N/A	String. Length: 1 to 253 characters.	N/A

AP/PrvsOfManualAPACIPv4

This table contains provision information of manual AP of IPv4 address.

XML structure

```

<AP>
  <PrvsOfManualAPACIPv4>
    <Prvs>
      <ApName></ApName>
      <ACIPv4></ACIPv4>
    </Prvs>
  </PrvsOfManualAPACIPv4>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	PrvsOfManualAPACIPv4
Table type	Multi-instance table
Row name	Prvs
Restrictions	None

Item	Description
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name.	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ACIPv4	Specify an AC by its IPv4 address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.

AP/PrvsOfManualAPACIPv6

This table contains provision information of manual AP of IPv6 address.

XML structure

```

<AP>
  <PrvsOfManualAPACIPv6>
    <Prvs>
      <ApName></ApName>
      <ACIPv6></ACIPv6>
    </Prvs>
  </PrvsOfManualAPACIPv6>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	PrvsOfManualAPACIPv6
Table type	Multi-instance table
Row name	Prvs
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name.	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ACIPv6	Specify an AC by its IPv6 address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1. This column is available when the SrcAny column is false.

AP/APDB

This table contains AP model information.

XML structure

```
<AP>
  <APDB>
    <Model>
      <ModelName></ModelName>
      <RadioNum></RadioNum>
      <DefaultRegionCode></DefaultRegionCode>
      <StartPoePort></StartPoePort>
      <EndPoePort></EndPoePort>
      <ModelType></ModelType>
    </Model>
  </APDB>
</AP>
```

Table description

Item	Description
Feature name	AP
Table name	APDB
Table type	Multi-instance table
Row name	Model
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ModelName	AP model name.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
RadioNum	Radio's number of AP model	N/A	Unsigned short. Value range: 1 to 4.	N/A
DefaultRegionCode	Default region code of AP model.	N/A	Unsigned short.	Conform to ISO 3166 standard.
StartPoePort	Start PoE port.	N/A	Unsigned char.	N/A
EndPoePort	End PoE port	N/A	Unsigned char.	N/A
ModelType	Whether to enable wt configuration.	N/A	Enumeration: <ul style="list-style-type: none">1—normal2—wt3—wtu	When the value is 3, some command can not be configured.

AP/APDBVersion

This table contains apdb version of AP model.

XML structure

```
<AP>
  <APDBVersion>
    <Model>
      <ModelName></ModelName>
      <HardwareVersion></HardwareVersion>
      <SoftwareVersion></SoftwareVersion>
    </Model>
  </APDBVersion>
</AP>
```

Table description

Item	Description
Feature name	AP
Table name	APDBVersion
Table type	Multi-instance table
Row name	Model
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ModelName	AP model name.	Index	String, uppercase. Length: 1 to 63 characters.	Refer to APDB/ModelName.
HardwareVersion	The version of Hardware.	Index	Enumeration: <ul style="list-style-type: none"> 1—Ver.A 2—Ver.B 3—Ver.C 4—Ver.D 5—Ver.E 6—Ver.F 	N/A
SoftwareVersion	The version of Software.	N/A	String Length:1 to 31.	N/A

AP/RadioDB

This table contains radio information of AP model.

XML structure

```

<AP>
  <RadioDB>
    <Radio>
      <ModelName></ModelName>
      <RadioID></RadioID>
      <DefaultRadioMode></DefaultRadioMode>
      <SupportDot11B></SupportDot11B>
      <SupportDot11A></SupportDot11A>
      <SupportDot11G></SupportDot11G>
      <SupportDot11GN></SupportDot11GN>
      <SupportDot11AN></SupportDot11AN>
      <SupportDot11GAC></SupportDot11GAC>
      <SupportDot11AC></SupportDot11AC>
      <Spectrum></Spectrum>
      <DefaultAntennaType></DefaultAntennaType>
      <Aifsn></Aifsn>
      <Ecwmin></Ecwmin>
      <Ecwmax></Ecwmax>
      <TxOpLimit></TxOpLimit>
      <SupportBandwidth></SupportBandwidth>
      <SupportMCS></SupportMCS>
      <SupportVHTMCS></SupportVHTMCS>
      <ShortGI20M></ShortGI20M>
      <ShortGI40M></ShortGI40M>

```



```

    <ShortGI80M></ShortGI80M>
    <ShortGI160M></ShortGI160M>
    <SUBeamformer></SUBeamformer>
    <MUBeamformer></MUBeamformer>
    <Ldpc></Ldpc>
    <TxStbc></TxStbc>
    <RxStbc></RxStbc>
    <VHTLdpc></VHTLdpc>
    <VHTTxStbc></VHTTxStbc>
    <VHTRxStbc></VHTRxStbc>
  </Radio>
</RadioDB>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	RadioDB
Table type	Multi-instance table
Row name	Radio
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ModelName	AP model name.	Index	String, uppercase. Length: 1 to 63 characters.	N/A
RadioID	Radio ID.	Index	Unsigned short. Value range: 1 to 31.	N/A
DefaultRadioMode	Default radio mode.	N/A	Enumeration: <ul style="list-style-type: none"> 1—802.11b 2—802.11a 3—802.11g 4—802.11n(2.4GHz) 5—802.11n(5GHz) 6—802.11ac(2.4GHz) 7—802.11ac(5GHz) 	N/A
SupportDot11B	Whether a radio supports 802.11b radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
SupportDot11A	Whether a radio supports 802.11a radio mode.	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11G	Whether a radio supports 802.11g radio mode.	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11GN	Whether a radio supports 802.11n(2.4GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11AN	Whether a radio supports 802.11n(5GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11GAC	Whether a radio supports 802.11ac(2.4GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11AC	Whether a radio supports 802.11ac(5GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
Spectrum	Supported radio spectrum.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Support both 5GHz and 2.4GHz 2—Support 5GHz only 3—Support 2.4GHz only 	N/A
DefaultAntennaType	Default antenna type of radio.	N/A	String, case-insensitive. Length: 1 to 80 characters.	N/A
Aifsn	ArbitrationInter Frame Spacing Number	N/A	Unsigned integer. Value range is 1 to 15, and is restricted by chipset.	N/A
Ecwmin	Exponent form of CWmin	N/A	Unsigned integer. Value range is 0 to 10, and is restricted by chipset.	N/A
Ecwmax	Exponent form of CWmax	N/A	Unsigned integer. Value range is 1 to 10, and is restricted by chipset.	N/A
TxOpLimit	Transmission opportunity limit	N/A	Unsigned integer. Value range is 0 to 32767 and is restricted by chipset. Unit is millisecond.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
SupportBandwidth	Supported channel bandwidth	N/A	Enumeration: <ul style="list-style-type: none"> 1—20M 2—40M 3—80M 4—160M 5—80M + 80M 17—5M 18—10M 	N/A
SupportMCS	Supported MCS	N/A	Unsigned short. Value range: 0 to 76.	N/A
SupportVHTMCS	Supported VHT-MCS	N/A	Unsigned short. Value range: 1 to 8.	N/A
ShortGI20M	Supported short GI for 20MHz	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
ShortGI40M	Supported short GI for 40MHz	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
ShortGI80M	Supported short GI for 80MHz	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
ShortGI160M	Supported short GI for 160MHz	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SUBeamformer	Supported SU-Beamformer	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
MUBeamformer	Supported MU-Beamformer	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
Ldpc	Supported ldpc	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
TxStbc	Supported TxStbc	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
RxStbc	Supported RxStbc	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
VHTLdpc	Supported VHT ldpc	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
VHTTxStbc	Supported VHT TxStbc	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
VHTRxStbc	Supported VHT RxStbc	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A

AP/RegionDB

This table contains valid region list of AP models.

XML structure

```

<AP>
  <RegionDB>
    <Region>
      <ModelName></ModelName>
      <RegionCode></RegionCode>
      <SupportedRadioList></SupportedRadioList>
    </Region>
  </RegionDB>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	RegionDB
Table type	Multi-instance table
Row name	Region
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ModelName	AP model name	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
RegionCode	Region code of AP.	N/A	Unsigned short.	Conform to ISO 3166 standard.

Column name	Column description	Column type	Data type and restrictions	Remarks
SupportedRadioList	Supported radio list of current region.	N/A	Number string. It is a comma-separated list of supported radio IDs. The string must not end with a comma or hyphen, or include any whitespace	Example: 1,2

AP/AntennaDB

This table contains valid antenna types of AP models.

XML structure

```

<AP>
  <AntennaDB>
    <Antenna>
      <ModelName></ModelName>
      <RadioID></RadioID>
      <AntennaType></AntennaType>
    </Antenna>
  </AntennaDB>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	AntennaDB
Table type	Multi-instance table
Row name	Antenna
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ModelName	AP model name	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
RadioID	Radio ID	Index	Unsigned short. Value range: 1 to 31.	N/A
AntennaType	Antenna type of radio	Index	String, case-insensitive. Length: 1 to 80 characters.	N/A

AP/ChannelTypeMap

This table contains channel type of radios.

XML structure

```
<AP>
  <ChannelTypeMap>
    <ChannelMap>
      <RadioMode></RadioMode>
      <Bandwidth></Bandwidth>
      <Channel></Channel>
      <ChannelType></ChannelType>
    </ChannelMap>
  </ChannelTypeMap>
</AP>
```

Table description

Item	Description
Feature name	AP
Table name	ChannelTypeMap
Table type	Multi-instance table
Row name	ChannelMap
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RadioMode	Radio mode	Index	Enumeration: <ul style="list-style-type: none">1—802.11b2—802.11a3—802.11g4—802.11n(2.4GHz)5—802.11n(5GHz)6—802.11ac(2.4GHz)7—802.11ac(5GHz)	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Bandwidth	Radio bandwidth	Index	Enumeration: <ul style="list-style-type: none"> • 1—20M • 2—40M • 3—80M • 4—160M • 5—80M + 80M • 17—5M • 18—10M 	N/A
Channel	Legal channel number.	Index	Unsigned short.	Conform to IEEE 802.11 protocol , ISO 3166 standart and the related national and regional laws and regulations.

Column name	Column description	Column type	Data type and restrictions	Remarks
ChannelType	Type of spectrum, bandwidth and channel range.	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> 1—802.11b 2—802.11g 3—802.11n(2.4GHz) in 20M mode 4—802.11n(2.4GHz) in 40M mode 5—802.11gac(2.4GHz) in 20M mode 6—802.11gac(2.4GHz) in 40M mode 7—802.11a(36 to 64) 8—802.11a(100 to 144) 9—802.11a(149 to 165) 10—802.11n(5GHz) (36 to 64) in 20M mode 11—802.11n(5GHz) (100 to 144) in 20M mode 12—802.11n(5GHz) (149 to 165) in 20M mode 13—802.11n(5GHz) (36 to 64) in 40M mode 14—802.11n(5GHz) (100 to 144) in 40M mode 15—802.11n(5GHz) (149 to 165) in 40M mode 16—802.11ac (36 to 64) in 20M mode 17—802.11ac (100 to 144) in 20M mode 18—802.11ac (149 to 165) in 20M mode 19—802.11ac (36 to 64) in 40M mode 20—802.11ac (100 to 144) in 40M mode 21—802.11ac (149 to 165) in 40M mode 22—802.11ac (36 to 64) in 80M mode 23—802.11ac (100 to 144) in 80M mode 24—802.11ac (149 to 165) in 80M mode 25—802.11ac (36 to 64) in 160M mode 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 26—802. 11ac (100 to 144) in 160M mode 27—802. 11ac (149 to 165) in 160M mode 28—802. 11ac (36 to 64) in 8080M mode 29—802. 11ac (100 to 144) in 8080M mode 30—802. 11ac (149 to 165) in 8080M mode 	

AP/PowerIndex

This table contains valid power index of AP models.

XML structure

```

<AP>
  <PowerIndex>
    <Index>
      <ModelName></ModelName>
      <RadioID></RadioID>
      <RadioMode></RadioMode>
      <AntennaType></AntennaType>
      <RegionCode></RegionCode>
      <ChannelType></ChannelType>
      <PowerIndex></PowerIndex>
      <PowerSubIndex></PowerSubIndex>
    </Index>
  </PowerIndex>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	PowerIndex
Table type	Multi-instance table
Row name	Index
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ModelName	AP model name	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
RadioID	Radio ID	Index	Unsigned short. Value range: 1 to 31.	N/A
RadioMode	Radio mode	Index	Enumeration: <ul style="list-style-type: none"> 1—802.11b 2—802.11a 3—802.11g 4—802.11n(2.4GHz) 5—802.11n(5GHz) 6—802.11ac(2.4GHz) 7—802.11ac(5GHz) 	N/A
AntennaType	Antenna type of radio.	Index	String, case-insensitive. Length: 1 to 80 characters.	N/A
RegionCode	Region code of AP.	Index	Unsigned short.	Refer to AP/RegionDB/RegionCode.
ChannelType	Type of spectrum, bandwidth and channel range.	Index	Enumeration: <ul style="list-style-type: none"> 1—802.11b 2—802.11g 3—802.11n(2.4GHz) in 20M mode 4—802.11n(2.4GHz) in 40M mode 5—802.11gac in 20M mode 6—802.11gac in 40M mode 7—802.11a(36 to 64) 8—802.11a(100 to 144) 9—802.11a(149 to 165) 10—802.11n(5GHz) (36 to 64) in 20M mode 11—802.11n(5GHz) (100 to 144) in 20M mode 12—802.11n(5GHz) (149 to 165) in 20M mode 13—802.11n(5GHz) (36 to 64) in 40M mode 14—802.11n(5GHz) (100 to 144) in 40M 	Refer to AP/ChannelTypeMap/ChannelType.

Column name	Column description	Column type	Data type and restrictions	Remarks
			mode <ul style="list-style-type: none"> 15—802.11n(5GHz) (149 to 165) in 40M mode 16—802.11ac (36 to 64) in 20M mode 17—802. 11ac (100 to 144) in 20M mode 18—802. 11ac (149 to 165) in 20M mode 19—802.11ac (36 to 64) in 40M mode 20—802. 11ac (100 to 144) in 40M mode 21—802. 11ac (149 to 165) in 40M mode 22—802.11ac (36 to 64) in 80M mode 23—802. 11ac (100 to 144) in 80M mode 24—802. 11ac (149 to 165) in 80M mode 25—802.11ac (36 to 64) in 160M mode 26—802. 11ac (100 to 144) in 160M mode 27—802. 11ac (149 to 165) in 160M mode 28—802. 11ac (36 to 64) in 8080M mode 29—802. 11ac (100to 144) in 8080M mode 30—802. 11ac (149 to 165) in 8080M mode 	
PowerIndex	The index value of power table	N/A	Enumeration: <ul style="list-style-type: none"> 1—System script 2—Userscript 	N/A
PowerSubIndex	The sub-index value of power table	N/A	Unsigned short.	N/A

AP/ChannelDB

This table contains valid channel list of AP models.

XML structure

```

<AP>
  <ChannelDB>
    <Channel>
      <PowerIndex></PowerIndex>

```

```

    <ChannelType></ChannelType>
    <PowerSubIndex></PowerSubIndex>
    <SupportedChannelList></SupportedChannelList>
  </Channel>
</ChannelDB>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	ChannelDB
Table type	Multi-instance table
Row name	Channel
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PowerIndex	The index value of power table	Index	Enumeration: <ul style="list-style-type: none"> 1—System script 2—Userscript 	Refer to AP/PowerIndex/PowerIndex

Column name	Column description	Column type	Data type and restrictions	Remarks
ChannelType	Type of spectrum, bandwidth and channel range.	Index	<p>Enumeration:</p> <ul style="list-style-type: none"> 1—802.11b 2—802.11g 3—802.11n(2.4GHz) in 20M mode 4—802.11n(2.4GHz) in 40M mode 5—802.11gac in 20M mode 6—802.11gac in 40M mode 7—802.11a(36 to 64) 8—802.11a(100 to 144) 9—802.11a(149 to 165) 10—802.11n(5GHz) (36 to 64) in 20M mode 11—802.11n(5GHz) (100 to 144) in 20M mode 12—802.11n(5GHz) (149 to 165) in 20M mode 13—802.11n(5GHz) (36 to 64) in 40M mode 14—802.11n(5GHz) (100 to 144) in 40M mode 15—802.11n(5GHz) (149 to 165) in 40M mode 16—802.11ac (36 to 64) in 20M mode 17—802.11ac (100 to 144) in 20M mode 18—802.11ac (149 to 165) in 20M mode 19—802.11ac (36 to 64) in 40M mode 20—802.11ac (100 to 144) in 40M mode 21—802.11ac (149 to 165) in 40M mode 22—802.11ac (36 to 64) in 80M mode 23—802.11ac (100 to 144) in 80M mode 24—802.11ac (149 to 165) in 80M mode 25—802.11ac (36 to 64) in 160M mode 	Refer to AP/ChannelTypeMap/ChannelType.

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 26—802. 11ac (100 to 144) in 160M mode 27—802. 11ac (149 to 165) in 160M mode 28—802. 11ac (36 to 64) in 8080M mode 29—802. 11ac (100 to 144) in 8080M mode 30—802. 11ac (149 to 165) in 8080M mode 	
PowerSubIndex	The sub-index value of power table	Index	Unsigned short.	Refer to AP/PowerIndex/PowerSubIndex
SupportedChannelList	Supported channel list of current model.	N/A	Number string. It is a comma-separated list of supported channels. The string must not end with a comma or hyphen, or include any whitespace	Example: 1,2,3

AP/PowerDB

This table contains valid power values of AP models.

XML structure

```

<AP>
  <PowerDB>
    <Power>
      <PowerIndex></PowerIndex>
      <ChannelType></ChannelType>
      <PowerSubIndex></PowerSubIndex>
      <Channel></Channel>
      <ValidMaxPower></ValidMaxPower>
    </Power>
  </PowerDB>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	PowerDB
Table type	Multi-instance table
Row name	Power
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PowerIndex	The index value of power table	Index	Enumeration: <ul style="list-style-type: none">• 1—System script• 2—User script	Refer to AP/PowerIndex/PowerIndex

Column name	Column description	Column type	Data type and restrictions	Remarks
ChannelType	Type of spectrum, bandwidth and channel range.	Index	<p>Enumeration:</p> <ul style="list-style-type: none"> 1—802.11b 2—802.11g 3—802.11n(2.4GHz) in 20M mode 4—802.11n(2.4GHz) in 40M mode 5—802.11gac in 20M mode 6—802.11gac in 40M mode 7—802.11a(36 to 64) 8—802.11a(100 to 144) 9—802.11a(149 to 165) 10—802.11n(5GHz) (36 to 64) in 20M mode 11—802.11n(5GHz) (100 to 144) in 20M mode 12—802.11n(5GHz) (149 to 165) in 20M mode 13—802.11n(5GHz) (36 to 64) in 40M mode 14—802.11n(5GHz) (100 to 144) in 40M mode 15—802.11n(5GHz) (149 to 165) in 40M mode 16—802.11ac (36 to 64) in 20M mode 17—802. 11ac (100 to 144) in 20M mode 18—802. 11ac (149 to 165) in 20M mode 19—802.11ac (36 to 64) in 40M mode 20—802. 11ac (100 to 144) in 40M mode 21—802. 11ac (149 to 165) in 40M mode 22—802.11ac (36 to 64) in 80M mode 23—802. 11ac (100 to 144) in 80M mode 24—802. 11ac (149 to 165) in 80M mode 25—802.11ac (36 to 64) in 160M mode 	Refer to AP/ChannelTypeMap/ChannelType.

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 26—802. 11ac (100 to 144) in 160M mode 27—802. 11ac (149 to 165) in 160M mode 28—802. 11ac (36 to 64) in 8080M mode 29—802. 11ac (100 to 144) in 8080M mode 30—802. 11ac (149 to 165) in 8080M mode 	
PowerSubIndex	The sub-index value of power table	Index	Unsigned short.	Refer to AP/PowerIndex/PowerSubIndex
Channel	Legal channel number.	Index	Unsigned short.	Refer to AP/ChannelDB/SupportedChannelList.
ValidMaxPower	Legal maximum power. The upper limit of configurable maximum power.	N/A	Unsigned short. The value range is related to AP model, radio mode, antenna type, channel number and region code.	Conform to IEEE 802.11 protocol , ISO 3166 standard and the related national and regional laws and regulations.

AP/ChannelReport

This table contains the fields which carry the channel reports of the Ap.

XML structure

```

<AP>
  <ChannelReport>
    <Channel>
      <ApName></ApName>
      <RadioID></RadioID>
      <Channel></Channel>
      <NeighborCount></NeighborCount>
      <Load></Load>
      <Utilization></Utilization>
      <Interference></Interference>
      <PacketErr></PacketErr>
      <Retry></Retry>
      <RadarStatus><RadarStatus>
    </Channel>
  </ChannelReport>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	ChannelReport
Table type	Multi-instance table
Row name	Channel
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
RadioID	Radio ID	Index	Unsigned short. Value range: 1 to 31.	N/A
Channel	Legal channel number.	Index	Unsigned short.	Refer to AP/ChannelDB/SupportedChannelList.
NeighborCount	Neighbour number of the legal channels.	N/A	Unsigned integer.	N/A
Load	Percentage of the time for transmitting all packets on the channel to the total time for scanning the channel.	N/A	Unsigned integer. Value range: 0 to 100. Unit: %.	N/A
Utilization	Percentage of the time for transmitting packets of the BSS to the total time for scanning the channel.	N/A	Unsigned integer. Value range: 0 to 100. Unit: %.	N/A
Interference	Percentage of the time for transmitting packets of other BSSs to the total time for scanning the channel.	N/A	Unsigned integer. Value range: 0 to 100. Unit: %.	N/A
PacketErr	Packet error rate of the legal channel.	N/A	Unsigned integer. Value range: 0 to 100. Unit: %.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Retry	Retransmission rate of the legal channel.	N/A	Unsigned integer. Value range: 0 to 100. Unit: %.	N/A
RadarStatus	Radar detection status at the legal channel.	N/A	Boolean: <ul style="list-style-type: none"> true—Radar is detected. false—Radar is not detected. 	N/A

AP/NeighborAPReport

This table contains the fields which carry the information of the Ap's current neighbors.

XML structure

```

<AP>
  <NeighborAPReport>
    <Neighbor>
      <ApName></ApName>
      <RadioID></RadioID>
      <MacAddress></MacAddress>
      <Channel></Channel>
      <Interference></Interference>
      <SignalStrength></SignalStrength>
      <NeighborType></NeighborType>
    </Neighbor>
  </NeighborAPReport>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	NeighborAPReport
Table type	Multi-instance table
Row name	Neighbor
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
RadioID	Radio ID	Index	Unsigned short. Value range: 1 to 31.	N/A
MacAddress	MAC address	Index	Six groups of two hexadecimal digits, hyphen-separated.	If the neighbor is unmanaged AP, this column is MAC address; or if the neighbor is managed AP, it is basic BSSID. Example: 00-0c-af-e3-5d-c0.
Channel	Channel number where the neighbor is discovered.	N/A	Unsigned short. The value range is related to AP model, radio mode, antenna type and country code.	N/A
Interference	Percentage of the time for transmitting packets of the neighbor to the total time for scanning the channel.	N/A	Unsigned integer. Value range: 0 to 100. Unit: %.	N/A
SignalStrength	Strength of signal received.	N/A	Unsigned integer. Unit: dBm.	An indication of the total channel power (signal, noise, and interference) of a received frame measured on the channel and at the antenna connector used to receive the frame.
NeighborType	Management status of the neighbor.	N/A	Boolean: <ul style="list-style-type: none"> true—Managed neighbor. false—UnManaged neighbor. 	N/A

AP/EdcaRadio

This table contains radio EDCA information.

XML structure

```
<AP>
  <EdcaRadio>
```

```

<EdcaPara>
  <ApName></ApName>
  <RadioID></RadioID>
  <AccessCategory></AccessCategory>
  <Noack></Noack>
  <CfgAifsn></CfgAifsn>
  <CfgEcwmin></CfgEcwmin>
  <CfgEcwmax></CfgEcwmax>
  <CfgTxOpLimit></CfgTxOpLimit>
</EdcaPara>
</EdcaRadio>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	EdcaRadio
Table type	Multi-instance table
Row name	EdcaPara
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name.	Index	String, lowercase. Length:1to 64 characters.	If this column contains uppercase character, it will be converted to lowercase automatically.
RadioID	Radio identifier.	Index	Unsigned char. Value range: 1 to 31.	N/A
AccessCategory	A label for the common set of enhanced distributed channel access parameters that are used by a WMM STA to contend for the channel in order to transmit MSDUs with certain priorities..	Index	Enumeration: <ul style="list-style-type: none"> 0—BK. 1—BE. 2—VI. 3—VO. 	N/A
Noack	Whether	N/A	Boolean:	

Column name	Column description	Column type	Data type and restrictions	Remarks
	acknowledgement is required.		<ul style="list-style-type: none"> true—Not required. false—Required. 	N/A
CfgAifsn	ArbitrationInter Frame Spacing Number.	N/A	The value range conforms to “AP/RadioIDB/Aifsn” column.	N/A
CfgEcwmin	Exponent form of CWmin.	N/A	The value range conforms to “AP/RadioIDB/Ecwmin” column.	N/A
CfgEcwmax	Exponent form of CWmax.	N/A	The value range conforms to “AP/RadioIDB/Ecwmax” column.	N/A
CfgTxOpLimit	Transmission opportunity limit.	N/A	The value range conforms to “AP/RadioIDB/TxOpLimit” column.	N/A

AP/RadioWmm

This table contains radio WMM information.

XML structure

```

<AP>
  <RadioWmm>
    <Wmm>
      <ApName></ApName>
      <RadioID></RadioID>
      <Status></Status>
    </Wmm>
  </RadioWmm>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	RadioWmm
Table type	Multi-instance table
Row name	Wmm
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	If this column contains uppercase character, it will be converted to lowercase automatically.
RadioID	Radio identifier.	Index	Unsigned char. Value range: 1 to 31.	N/A
Status	WMM status of radio.	N/A	Boolean: <ul style="list-style-type: none">true—Enable.false—Disable.	N/A

AP/APGroup

This table contains information of AP groups.

XML structure

```
<AP>
  <APGroup>
    <Group>
      <Name></Name>
      <RuleNum></RuleNum>
      <ModelNum></ModelNum>
      <APNum></APNum>
      <RegionCode></RegionCode>
      <RegionLock></RegionLock>
      <Priority></Priority>
      <Preempt></Preempt>
      <EchoInterval></EchoInterval>
      <EchoCount></EchoCount>
      <RetransInterval></RetransInterval>
      <RetransCount></RetransCount>
      <StatisInterval></StatisInterval>
      <FirmwareUpgrade></FirmwareUpgrade>
      <BackupACIPv4></BackupACIPv4>
      <BackupACIPv6></BackupACIPv6>
      <LocationName></LocationName>
      <Description></Description>
      <TunnelEncryption></TunnelEncryption>
      <ProvisionAutoUpgrade></ProvisionAutoUpgrade>
      <ProvisionAutoRecover></ProvisionAutoRecover>
    </Group>
  </APGroup>
</AP>
```

Table description

Item	Description
Feature name	AP
Table name	APGroup
Table type	Multi-instance table
Row name	Group
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
AP group name	Number of rules in the AP group	N/A	Unsigned short. Value range: 0 to 5.	N/A
ModelNum	Number of models in the AP group	N/A	Unsigned short. Value range: 0 to 65535.	N/A
APNum	Number of APs in the AP group	N/A	Unsigned short. Value range: 0 to 65535.	N/A
RegionCode	Region code of AP group.	N/A	Unsigned short.	Conform to ISO 3166 standart.
RegionLock	Whether the region code of the AP group is locked.	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
Priority	AP connection priority	N/A	Unsigned short. Value range: 0 to 7.	N/A
Preempt	Whether the AP in this group will be forced to switch the backup tunnel to active by priority.	N/A	Boolean: <ul style="list-style-type: none"> true: Switch false: Not switch. 	N/A
EchoInterval	The transmit interval of tunnel echo messages.	N/A	Unsigned short. Value range: 0, 5 to 255. Unit: seconds	N/A
EchoCount	The allowed maximum number of echo messges which are not received. If the count is reached, the tunnel will be down.	N/A	Unsigned short. Value range: 1 to 20.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
RetransInterval	The interval to retransmit a request message.	N/A	Unsigned short. Value range: 1 to 30. Unit: seconds	N/A
RetransCount	The allowed maximum number of retransmission attempts. If the count is reached, the tunnel will be down.	N/A	Unsigned short. Value range: 1 to 20. Unit: seconds	N/A
StatsInterval	The interval of AP sending the statistics informations to AC.	N/A	Unsigned short. Value range: 0 to 240. Unit: seconds	N/A
FirmwareUpgrade	Whether the AC will upgrade AP's firmware automatically if the software is mismatch.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable false—Disable 	N/A
BackupACIPv4	The IPv4 backup AC address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
BackupACIPv6	The IPv6 backup AC address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.
LocationName	Which location the AP group belongs to.	N/A	String, lowercase. Length: 1 to 31 characters.	N/A
Description	The description of APGroup.	N/A	String, Length: 1 to 64 cahracters	N/A
TunnelEncryption	Whether to enable tunnel encryption.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable false—Disable 	N/A
ProvisionAutoUpgrade	Whether to enable provision auto-upgrade	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
ProvisionAutoRecover	Whether to enable provision auto-recover	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A

AP/APGroupMACRule

This table contains information of AP groups' rules of MAC address.

XML structure

```
<AP>
  <APGroupMACRule>
```

```

    <Rule>
      <GroupName></GroupName>
      <MacAddress></MacAddress>
    </Rule>
  </APGroupMACRule>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	APGroupMACRules
Table type	Multi-instance table
Row name	Rule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
MacAddress	AP MAC address	Index	Six groups of two hexadecimal digits, hyphen-separated.	Example: 00-0c-af-e3-5d-c0.

AP/APGroupSerialIDRule

This table contains information of AP groups' rules of serial ID.

XML structure

```

<AP>
  <APGroupSerialIDRule>
    <Rule>
      <GroupName></GroupName>
      <SerialID></SerialID>
    </Rule>
  </APGroupSerialIDRule>
</AP>

```

Table description

Item	Description
Feature name	AP

Item	Description
Table name	APGroupSerialIDRule
Table type	Multi-instance table
Row name	Rule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
SerialID	AP serial ID	Index	String, uppercase. Length: 1 to 127 characters.	N/A

AP/APGroupNameRule

This table contains information of AP groups' rules of AP name.

XML structure

```

<AP>
  <APGroupNameRule>
    <Rule>
      <GroupName></GroupName>
      <APName></APName>
    </Rule>
  </APGroupNameRule>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	APGroupNameRule
Table type	Multi-instance table
Row name	Rule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
APName	AP name	Index	String, lowercase. Length: 1 to 64 characters.	N/A

AP/APGroupIPv4Rule

This table contains information of AP groups' rules of IPv4 address range.

XML structure

```
<AP>
  <APGroupIPv4Rule>
    <Rule>
      <GroupName></GroupName>
      <IPv4Addr></IPv4Addr>
      <IPv4Wildcard></IPv4Wildcard>
    </Rule>
  </APGroupIPv4Rule>
</AP>
```

Table description

Item	Description
Feature name	AP
Table name	APGroupIPv4Rule
Table type	Multi-instance table
Row name	Rule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
IPv4Addr	IPv4 address of AP.	Index	String, dotted decimal notation.	Example: 1.1.1.1.

Column name	Column description	Column type	Data type and restrictions	Remarks
IPv4Wildcard	Wildcard mask for the IPv4 address of AP.	Index	String, dotted decimal notation.	Example: 255.255.255.0.

AP/APGroupIPv6Rule

This table contains information of AP groups' rules of IPv6 address range.

XML structure

```

<AP>
  <APGroupIPv6Rule>
    <Rule>
      <GroupName></GroupName>
      <IPv6Addr></IPv6Addr>
      <IPv6Wildcard></IPv6Wildcard>
    </Rule>
  </APGroupIPv6Rule>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	APGroupIPv6Rule
Table type	Multi-instance table
Row name	Rule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
IPv6Addr	Source IPv6 address.	Index	Hexadecimal string, colon-separated.	Example: 1:1::1:1. This column is available when the SrcAny column is false.
IPv6Wildcard	Length of the source IPv6 address prefix.	Index	Unsigned integer. Value range: 1 to 128.	This column is available when the SrcAny column is false.

AP/APGroupModel

This table contains information of AP group models.

XML structure

```
<AP>
  <APGroupModel>
    <Model>
      <GroupName></GroupName>
      <ModelName></ModelName>
      <RadioNum></RadioNum>
    </Model>
  </APGroupModel>
</AP>
```

Table description

Item	Description
Feature name	AP
Table name	APGroupModel
Table type	Multi-instance table
Row name	Model
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ModelName	AP model name	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
RadioNum	Number of the radio	N/A	Unsigned short. Value range: 1 to 4.	N/A

AP/APGroupRadio

This table contains information of AP group radios.

XML structure

```
<AP>
  <APGroupRadio>
```

```

<Radio>
  <GroupName></GroupName>
  <ModelName></ModelName>
  <RadioID></RadioID>
  <Mode></Mode>
  <SupportDot11B></SupportDot11B>
  <SupportDot11A></SupportDot11A>
  <SupportDot11G></SupportDot11G>
  <SupportDot11GN></SupportDot11GN>
  <SupportDot11AN></SupportDot11AN>
  <SupportDot11AC></SupportDot11AC>
  <Bandwidth></Bandwidth>
  <Spectrum></Spectrum>
  <Status></Status>
  <RateMulticast></RateMulticast>
  <RateMandatory></RateMandatory>
  <RateSupported></RateSupported>
  <RateDisabled></RateDisabled>
  <Preamble></Preamble>
  <BeaconInterval></BeaconInterval>
  <PowerLock></PowerLock>
  <Distance></Distance>
  <MaxRxDuration></MaxRxDuration>
  <FragmentThreshold></FragmentThreshold>
  <LongRetryThreshold></LongRetryThreshold>
  <ProtectionThreshold></ProtectionThreshold>
  <ShortRetryThreshold></ShortRetryThreshold>
  <CfgChannel></CfgChannel>
  <CfgMaxPower></CfgMaxPower>
</Radio>
</APGroupRadio>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	APGroupRadio
Table type	Multi-instance table
Row name	Radio
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ModelName	AP model name	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
RadioID	Radio ID	Index	Unsigned short. Value range: 1 to 31.	N/A
Mode	Radio mode	N/A	Enumeration: <ul style="list-style-type: none"> 1—802.11b 2—802.11a 3—802.11g 4—802.11n(2.4GHz) 5—802.11n(5GHz) 6—802.11ac(2.4GHz) 7—802.11ac(5GHz) 	N/A
SupportDot11B	Whether a radio supports 802.11b radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11A	Whether a radio supports 802.11a radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11G	Whether a radio supports 802.11g radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11GN	Whether a radio supports 802.11n(2.4GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11AN	Whether a radio supports 802.11n(5GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11AC	Whether a radio supports 802.11ac(5GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
Bandwidth	Radio bandwidth	N/A	Enumeration: <ul style="list-style-type: none"> 1—20M 2—40M 3—80M 4—160M 5—80M + 80M 17—5M 18—10M 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Spectrum	Supported radio spectrum	N/A	Enumeration: <ul style="list-style-type: none"> 1—Support both 5GHz and 2.4GHz 2—Support 5GHz only 3—Support 2.4GHz only 	N/A
Status	Radio status	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable 1—Enable 2—Inherit 	N/A
RateMulticast	Multicast rate	N/A	Enumeration: <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps 13—auto <p>The value range conforms to “AP/RadioOfManualAP/CfgRateMandatory” column. If this column is not configured, the multicast rate will be calculated automatically.</p>	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
RateMandatory	Mandatory rate	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps <p>Default value:</p> <p>A. 1, 2Mbps(802.11b).</p> <p>B. 6, 12, 24Mbps(802.11a/802.11an)</p> <p>C. 1, 2, 5.5, 11Mbps(802.11g/802.11gn)</p>	The value can have multi-selections.
RateSupported	Supported rate	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps <p>Default value:</p> <p>A. 5.5, 11Mbps(802.11b)</p> <p>B. 9, 18, 24, 36, 48, 54Mbps(802.11a/802.11an)</p> <p>C. 6, 9, 12, 18, 24, 36, 54Mbps(802.11g/802.11gn)</p>	The value can have multi-selections, exclude the one which multicast rate uses.

Column name	Column description	Column type	Data type and restrictions	Remarks
RateDisabled	Disabled rate	N/A	Enumeration: <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps 	The value can have multi-selections, exclude the one which multicast rate uses.
Preamble	Preamble	N/A	Boolean: <ul style="list-style-type: none"> true—Short. false—Long. The column is only for 2.4GHz radio mode.	N/A
BeaconInterval	Beacon Interval time	N/A	Unsigned short. The value range is 32~8191. Unit: TU. 1TU = 1024ms	N/A
PowerLock	Lock the power	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Distance	The distance that Radio can cover	N/A	Unsigned short. The value range is 1~40. Unit: km(kilometre).	N/A
MaxRxDuration	Max Reveived frame duration time	N/A	Unsigned integer. The value range is 500~250000. Unit: ms.	N/A
FragmentThreshold	Fragment threshold	N/A	Unsigned short. The value range is 256~2346. And the value must be an even number. Unit: byte.	N/A
LongRetryThreshold	Long retry threshold	N/A	Unsigned short. The value range is 1~15. Unit: null.	N/A
ProtectionThreshold	Protection threshold	N/A	Unsigned short. The value range is 0~2346. Unit: byte.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
ShortRetryThreshold	Short retry threshold	N/A	Unsigned short. The value range is 1~15. Unit: null.	N/A
CfgChannel	Configured channel number	N/A	The value range conforms to AP/ChannelDB/Supported ChannelList” column. And 15 – auto lock、 16-auto unlock.	When the value is 15, the radio automatically selects an optimal channel, and then locks the channel. When the AC detects any radar signals on its channel, it immediately selects another channel (even if the channel auto lock is true) and locks the new channel.
CfgMaxPower	Configured maximum power	N/A	Unsigned short. Value range: 1 to “AP/PowerDB/ValidMaxPower”. Unit: dBm	N/A

AP/APGroupRadio11n

This table contains 802.11n information of AP group radios.

XML structure

```

<AP>
  <APGroupRadio11n>
    <Radio11n>
      <GroupName></GroupName>
      <ModelName></ModelName>
      <RadioID></RadioID>
      <MCSMulticast></MCSMulticast>
      <MCSMandatory></MCSMandatory>
      <MCSSupported></MCSSupported>
      <Ampdu></Ampdu>
      <Amsdu></Amsdu>
      <ShortGI></ShortGI>
      <Stbc></Stbc>
      <Ldpc></Ldpc>
      <Mimo></Mimo>
      <Greenap></Greenap>
      <SmartAntenna></SmartAntenna>
      <SmartAntennaPolicy></SmartAntennaPolicy>
      <Protection></Protection>
      <Client11nOnly></Client11nOnly>
      <BandwidthAutoswitch></ BandwidthAutoswitch >

```

```

    </Radio11n>
  </APGroupRadio11n>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	APGroupRadio11n
Table type	Multi-instance table
Row name	Radio11n
Restrictions	The table is only for 802.11n and 802.11ac radio mode.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ModelName	AP model name	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
RadioID	Radio ID	Index	Unsigned short. Value range: 1 to 31.	N/A
MCSMulticast	The index for multicast MCS.	N/A	Unsigned short. Value range: 0 to 76, and 255. Default value is 255.	The MCSMulticast must be smaller than or equal to the MCSMandatory.
MCSMandatory	The maximum index for mandatory MCS.	N/A	Unsigned short. Value range: 0 to 76, and 255. Default value is 255.	The MCSMandatory must be smaller than or equal to the MCSSupported, and the MCSMandatory must be greater than or equal to the MCSMulticast.
MCSSupported	The maximum index for supported MCS.	N/A	Unsigned short. Value range: 0 to 76, and 255. Default value is 76.	The MCSSupported must be greater than or equal to the MCSMandatory.
Ampdu	A-mpdu function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Amsdu	A-msdu function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
ShortGI	Short GI function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Stbc	STBC function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Ldpc	LDPC function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Mimo	MIMO.	N/A	Enumeration: <ul style="list-style-type: none"> 1: 1X1 2: 2X2 3: 3X3 4: 4X4 	N/A
Greenap	Green ap function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
SmartAntenna	Smart antenna function	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
SmartAntennaPolicy	Smart antenna policy	N/A	Enumeration: <ul style="list-style-type: none"> 1: Auto 2: High-availability 3: High-throughput 	Effective only when SmartAntenna is enabled.
Protection	802.11n protection function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Client11nOnly	Client dot11n only function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
BandwidthAutoswitch	Bandwidth autoswitch function	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. The column is only for 2.4GHz radio mode, and AP/APGroupRadio/Bandwidth must be 2.	N/A

AP/APGroupRadio11ac

This table contains 802.11ac information of AP group radios.

XML structure

<AP>

```

<APGroupRadio11ac>
  <Radio11ac>
    <GroupName></GroupName>
    <ModelName></ModelName>
    <RadioID></RadioID>
    <VHTNSSMulticast></VHTNSSMulticast>
    <VHTMCSMulticast></VHTMCSMulticast>
    <VHTNSSMandatory></VHTNSSMandatory>
    <VHTNSSSupported></VHTNSSSupported>
    <Client11acOnly></Client11acOnly>
  </Radio11ac>
</APGroupRadio11ac>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	APGroupRadio11ac
Table type	Multi-instance table
Row name	Radio11ac
Restrictions	The table is only for 802.11ac radio mode.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ModelName	AP model name	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
RadioID	Radio ID	Index	Unsigned short. Value range: 1 to 31.	N/A
VHTNSSMulticast	The NSS for multicast VHT-MCS.	N/A	Unsigned short. Value range: 0 to 8.	The VHTNSSMulticast must be smaller than or equal to the VHTNSSMandatory.
VHTMCSMulticast	The index for multicast VHT-MCS.	N/A	Unsigned short. Value range: 0 to 9, 255.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
VHTNSSMandatory	The maximum NSS for mandatory VHT-MCS.	N/A	Unsigned short. Value range: 0 to 8.	The VHTNSSMandatory must be smaller than or equal to the VHTNSSSupported, and the VHTNSSMandatory must be greater than or equal to the VHTNSSMulticast.
VHTNSSSupported	The maximum NSS for supported VHT-MCS.	N/A	Unsigned short. Value range: 0 to 8.	The VHTNSSSupported must be greater than or equal to the VHTNSSMandatory.
Client11acOnly	Client dot11ac only function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A

AP/APGroupPrvs

This table contains provision information of AP Group.

XML structure

```

<AP>
  <APGroupPrvs>
    <Prvs>
      <GroupName></GroupName>
      <AHostName></AHostName>
      <ACIPv4></ACIPv4>
      <ACIPv6></ACIPv6>
      <DnsDomain></DnsDomain>
      <DnsServerIPv4></DnsServerIPv4>
      <DnsServerIPv6></DnsServerIPv6>
    </Prvs>
  </APGroupPrvs>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	APGroupPrvs
Table type	Multi-instance table
Row name	Prvs
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ACHostName	Specify an AC by its hostname.	N/A	String. Length: 1 to 253 characters.	N/A
ACIPv4	Specify an AC by its IPv4 address.	N/A	List of string, dotted decimal notation, Separated by comma.	Example: 1.1.1.1, 1.1.1.2.
ACIPv6	Specify an AC by its IPv6 address.	N/A	List of hexadecimal string, colon-separated, Separated by comma.	Example: 1:1::1:1, 1:1::1:2.
DnsDomain	Specify the domain name suffix.	N/A	String. Length: 1 to 253.	N/A
DnsServerIPv4	Specify a DNS server by its IPv4 address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
DnsServerIPv6	Specify a DNS server by its IPv6 address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.

AP/APGroupPrvsACIPv4

This table contains provision information of AP Group of IPv4 address.

XML structure

```
<AP>
  <APGroupPrvsACIPv4>
    <Prvs>
      <GroupName></GroupName>
      <ACIPv4></ACIPv4>
    </Prvs>
  </APGroupPrvsACIPv4>
</AP>
```

Table description

Item	Description
Feature name	AP
Table name	APGroupPrvsACIPv4
Table type	Multi-instance table

Item	Description
Row name	Prvs
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name	Index	String, dotted decimal notation.	Example: 1.1.1.1.
ACIPv4	Specify an AC by its IPv4 address.	N/A	List of string, dotted decimal notation, Separated by comma.	Example: 1.1.1.1, 1.1.1.2.

AP/APGroupPrvsACIPv6

This table contains provision information of AP group of IPv6 address.

XML structure

```

<AP>
  <APGroupPrvsACIPv6>
    <Prvs>
      <GroupName></GroupName>
      <ACIPv6></ACIPv6>
    </Prvs>
  </APGroupPrvsACIPv6>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	APGroupPrvsACIPv6
Table type	Multi-instance table
Row name	Prvs
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ACIPv6	Specify an AC by its IPv6 address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1. This column is available when the SrcAny column is false.

AP/APListOfGroup

This table contains the AP list of AP groups.

XML structure

```
<AP>
  <APListOfGroup>
    <AP>
      <GroupName></GroupName>
      <ApName></ApName>
    </AP>
  </APListOfGroup>
</AP>
```

Table description

Item	Description
Feature name	AP
Table name	APListOfGroup
Table type	Multi-instance table
Row name	AP
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ApName	AP name	Index	String, lowercase. Length: 1 to 64 characters.	N/A

AP/Location

This table contains the informations of locations.

XML structure

```
<AP>
  <Location>
    <Location>
      <LocationName></LocationName>
    </Location>
  </Location>
</AP>
```

Table description

Item	Description
Feature name	AP
Table name	Location
Table type	Multi-instance table
Row name	Location
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LocationName	Location name	Index	String, lowercase. Length: 1 to 31 characters.	N/A

AP/APAuthentication

This table contains the informations of AP authentication.

XML structure

```
<AP>
  <APAuthentication>
    <Status></Status>
    <Method></Method>
    <PermitUnauth></PermitUnauth>
    <AuthDomain></AuthDomain>
    <AclNumber></AclNumber>
    <AclName></AclName>
  </APAuthentication>
```

</AP>

Table description

Item	Description
Feature name	AP
Table name	APAuthentication
Table type	Single-instance table
Row name	N/A
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Status	The status of AP authentication.	N/A	Boolean: <ul style="list-style-type: none">true—Enable.false—Disable.	N/A
Method	The authentication method	N/A	Enumeration: <ul style="list-style-type: none">1—MAC address.2—Serial ID.	N/A
PermitUnauth	Whether the un-authenticated AP is allowed to join the AC.	N/A	Boolean: <ul style="list-style-type: none">true—Allowed.false—Not allowed.	N/A
AuthDomain	The ISP domain of remote AP authentication.	N/A	String, case-insensitive. Length: 1 to 24 characters.	N/A
AclNumber	The ACL number of local AP authentication.	N/A	Unsigned short. Value range: 200 to 299.	This column is unavailable when the AC uses an ACL name.
AclName	The ACL name of local AP authentication.	N/A	String, case-insensitive. Length: 1 to 63 characters.	This column is unavailable when the AC uses an ACL number. The ACL name should not be "all".

AP/HistorySummary

This table contains information of history summary.

XML structure

```
<AP>
  <HistorySummary>
    <Record>
      <Date></Date>
```

```

<Time></Time>
<ManualApNum></ManualApNum>
<RunApNum></RunApNum>
<OfflineApNum></OfflineApNum>
<UnhealthyApNum></UnhealthyApNum>
<ApGroupNum></ApGroupNum>
<LocationNum></LocationNum>
<NorthIfOutPkt></NorthIfOutPkt>
<NorthIfOutByte></NorthIfOutByte>
<NorthIfInPkt></NorthIfInPkt>
<NorthIfInByte></NorthIfInByte>
</Record>
</HistorySummary>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	HistorySummary
Table type	Multi-instance table
Row name	Record
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Date	The date of the record,	Index	Format: YYYY-MM-DD. Value range: 1970-01-01 to 2100-12-31.	N/A
Time	The time of the record.	Index	Format: hh:mm. Value range: 00:00 to 23:59.	N/A
ManualApNum	Number of manual APs	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
Index	Number of running APs	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
OfflineApNum	Number of offline APs	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
UnhealthyApNum	Number of Unhealthy APs	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
ApGroupNum	Number of AP groups	N/A	Unsigned integer. Value range: 0 to 65535.	N/A

LocationNum	Number of locations	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
NorthIfOutPkt	Packets count of northbound interface with outbound direction.	N/A	Unsigned integer. Value range: 0 to 4294967295.	N/A
NorthIfOutByte	Throughput statistics of northbound interface with outbound direction.	N/A	Unsigned integer. Value range: 0 to 4294967295.	N/A
NorthIfInPkt	Packets count of northbound interface with inbound direction.	N/A	Unsigned integer. Value range: 0 to 4294967295.	N/A
NorthIfInByte	Throughput statistics of northbound interface with inbound direction.	N/A	Unsigned integer. Value range: 0 to 4294967295.	N/A

AP/AllAP

This table contains the information of all APs.

XML structure

```

<AP>
  <AllAP>
    <AP>
      <LocationName></LocationName>
      <Name></Name>
      <Type></Type>
      <Status></Status>
      <GroupName></GroupName>
    </AP>
  </AllAP>
</AP>

```

Table description

Item	Description
Feature name	AP
Table name	AllAP
Table type	Multi-instance table
Row name	AP
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LocationName	Which location the AP belongs to.	Index	String, lowercase. Length: 1 to 31 characters.	N/A
Name	AP name	Index	String, lowercase. Length: 1 to 64 characters.	N/A
Status	AP associated status	N/A	Enumeration: <ul style="list-style-type: none">1—Online2—Offline3—Image downloading	N/A
Type	AP type	N/A	Enumeration: <ul style="list-style-type: none">1—auto2—manual	N/A
GroupName	The name of AP group which the AP belongs to.	N/A	String, lowercase. Length: 1 to 31 characters.	N/A

AP/LocalACDB

This table contains local-ac model information.

XML structure

```
<AP>
  <LocalACDB>
    <Model>
      <ModelName></ModelName>
      <HardwareVersion></HardwareVersion>
      <SoftwareVersion></SoftwareVersion>
    </Model>
  </LocalACDB>
</AP>
```

Table description

Item	Description
Feature name	AP
Table name	LocalACDB
Table type	Multi-instance table
Row name	Model
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ModelName	Local-ac model name	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
HardwareVersion	The version of Hardware.	Index	Enumeration: <ul style="list-style-type: none">• 1—Ver.A• 2—Ver.B• 3—Ver.C• 4—Ver.D• 5—Ver.E• 6—Ver.F	N/A
SoftwareVersion	The version of Software.	N/A	String Length:1 to 31.	N/A

AP/LocalAC

This table contains information of local-ac.

XML structure

```
<AP>
  <LocalAC>
    <AC>
      <Name></Name>
      <Model></Model>
      <CfgSerialID></CfgSerialID>
      <Status></Status>
      <EchoInterval></EchoInterval>
      <RetransInterval></RetransInterval>
      <RetransCount></RetransCount>
      <FirmwareUpgrade></FirmwareUpgrade>
      <Ipv4Address></Ipv4Address>
      <Ipv6Address></Ipv6Address>
    </AC>
  </LocalAC>
</AP>
```

Table description

Item	Description
Feature name	AP
Table name	LocalAC
Table type	Multi-instance table

Item	Description
Row name	AC
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Local-ac name	Index	String, lowercase. Length: 1 to 64 characters.	N/A
Model	Local-ac model name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
CfgSerialID	Configured Local-ac serial ID	N/A	String, uppercase. Length: 1 to 63 characters.	N/A
Status	Local-ac associated status	N/A	Enumeration: <ul style="list-style-type: none"> 1—Online 2—Offline 3—Image downloading 	N/A
EchoInterval	The transmit interval of tunnel echo messages.	N/A	Unsigned short. Value range: 0, 5 to 255. Unit: seconds	N/A
RetransInterval	The interval to retransmit a request message.	N/A	Unsigned short. Value range: 3 to 8 Unit: seconds	N/A
RetransCount	The allowed maximum number of retransmission attempts. If the count is reached, the tunnel will be down.	N/A	Unsigned short. Value range: 2 to 5. Unit: seconds	N/A
FirmwareUpgrade	Whether the AC will upgrade AP's firmware automatically if the software is mismatch.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Ipv4Address	Local AC IPv4 address	N/A	String, dotted decimal notation.	Example: 1.1.1.1. This column is unavailable when the AC uses an IPv6 address.
Ipv6Address	Local AC IPv6 address	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1. This column is unavailable when the AC uses an IPv4 address.

AP/ContainerTopology

This table contains information about all PoE ports on the container and units (such as WAP and WTU) connected to the container (such as SPM and WT).

XML structure

```
<AP>
  <ContainerTopology>
    <Container>
      <ContainerName></ContainerName>
      <PoePort></PoePort>
      <PoeStatus></PoeStatus>
      <UnitName></UnitName>
    </Container>
  </ContainerTopology>
</AP>
```

Table description

Item	Description
Feature name	AP
Table name	ContainerTopology
Table type	Multi-instance table
Row name	Container
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ContainerName	Container name	Index	String, lowercase. Length: 1 to 64 characters.	N/A
PoePort	Port on the container	Index	Unsigned short.	See AP/APDB/.
PoeStatus	PoE port status	N/A	Boolean: <ul style="list-style-type: none">true—Enablefalse—Disable	N/A
UnitName	Unit name	N/A	String, lowercase. Length: 1 to 64 characters.	N/A

AP/Container

This table contains information about containers.

XML structure

```
<AP>
  <Container>
    <AP>
      <Name></Name>
      <Model></Model>
      <CfgMacAddress></CfgMacAddress>
      <APNum></APNum>
      <Status></Status>
      <Ipv4Address></Ipv4Address>
      <Ipv6Address></Ipv6Address>
      <OnlineTime></OnlineTime>
      <LastDownReason></LastDownReason>
      <LastRebootReason></LastRebootReason>
      <OfflineMoment></OfflineMoment>
    </AP>
  </Container>
</AP>
```

Table description

Item	Description
Feature name	AP
Table name	Container
Table type	Multi-instance table
Row name	AP
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	AP name	Index	String, lowercase. Length: 1 to 64 characters.	N/A
Model	AP model name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
CfgMacAddress	Configured AP MAC address	N/A	Six groups of two hexadecimal digits, hyphen-separated.	Example: 00-0c-af-e3-5d-c0.
APNum	Number of APs connected to the container	N/A	Unsigned integer. Value range: 0 to 65535.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Status	AP association status	N/A	Enumeration: <ul style="list-style-type: none"> 1—Online 2—Image downloading 	N/A
Ipv4Address	AP IPv4 address	N/A	String, dotted decimal notation.	Example: 1.1.1.1. This column is unavailable when the AP uses an IPv6 address.
Ipv6Address	AP IPv6 address	N/A	Hexadecimal string, colon-separated	Example: 1:1::1:1. This column is unavailable when the AP uses an IPv4 address.
OnlineTime	Time since the AP came online.	N/A	Unsigned integer. Value range: 0 to 4294967295. Unit: Second	N/A
LastDownReason	Cause of the tunnel down the last time.	N/A	String. Length: 1 to 31 characters.	N/A
LastRebootReason	Cause of the AP rebooting in last time.	N/A	String. Length: 1 to 31 characters.	N/A
OfflineMoment	The time of the AP offline in last time.	N/A	DateTime. Format: YYYY-MM-DDTHH:MM:SS	Example: 2014-05-07T09:35:07

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Resource Summary for AP

Resource(Table)	Base URL	HTTP Method			
		GET	POST	PUT	DELETE
APSummary	/api/v1/AP/APSummary	Y	N	N	N
GlobalCfg	/api/v1/AP/GlobalCfg	Y	N	N	N
ManualAP	/api/v1/AP/ManualAP	Y	N	N	Y
APRunningCfg	/api/v1/AP/APRunningCfg	Y	N	N	N
RunAP	/api/v1/AP/RunAP	Y	N	N	N
APHistory	/api/v1/AP/APHistory	Y	N	N	N
RadioOfManualAP	/api/v1/AP/RadioOfManualAP	Y	N	N	N
RadioRunningCfg	/api/v1/AP/RadioRunningCfg	Y	N	N	N
Radio11n	/api/v1/AP/Radio11n	Y	N	N	Y
Radio11ac	/api/v1/AP/Radio11ac	Y	N	N	Y
RadioOfRunAP	/api/v1/AP/RadioOfRunAP	Y	N	N	N
PrvsOfManualAP	/api/v1/AP/PrvsOfManualAP	Y	N	N	Y
PrvsOfManualAPACIPv4	/api/v1/AP/PrvsOfManualAPACIPv4	Y	N	N	Y
PrvsOfManualAPACIPv6	/api/v1/AP/PrvsOfManualAPACIPv6	Y	N	N	Y
APDB	/api/v1/AP/APDB	Y	N	N	N
APDBVersion	/api/v1/AP/APDBVersion	Y	N	N	N
RadioDB	/api/v1/AP/RadioDB	Y	N	N	N
RegionDB	/api/v1/AP/RegionDB	Y	N	N	N
AntennaDB	/api/v1/AP/AntennaDB	Y	N	N	N
ChannelTypeMap	/api/v1/AP/ChannelTypeMap	Y	N	N	N
PowerIndex	/api/v1/AP/PowerIndex	Y	N	N	N
ChannelDB	/api/v1/AP/ChannelDB	Y	N	N	N
PowerDB	/api/v1/AP/PowerDB	Y	N	N	N
ChannelReport	/api/v1/AP/ChannelReport	Y	N	N	N
NeighborAPReport	/api/v1/AP/NeighborAPReport	Y	N	N	N

EdcaRadio	/api/v1/AP/EdcaRadio	Y	N	N	Y
RadioWmm	/api/v1/AP/RadioWmm	Y	N	N	Y
APGroup	/api/v1/AP/APGroup	Y	N	N	Y
APGroupMACRule	/api/v1/AP/APGroupMACRule	Y	N	N	Y
APGroupSerialIDRule	/api/v1/AP/APGroupSerialIDRule	Y	N	N	Y
APGroupNameRule	/api/v1/AP/APGroupNameRule	Y	N	N	Y
APGroupIPv4Rule	/api/v1/AP/APGroupIPv4Rule	Y	N	N	Y
APGroupIPv6Rule	/api/v1/AP/APGroupIPv6Rule	Y	N	N	Y
APGroupModel	/api/v1/AP/APGroupModel	Y	N	N	Y
APGroupRadio	/api/v1/AP/APGroupRadio	Y	N	N	Y
APGroupRadio11n	/api/v1/AP/APGroupRadio11n	Y	N	N	Y
APGroupRadio11ac	/api/v1/AP/APGroupRadio11ac	Y	N	N	Y
APGroupPrvs	/api/v1/AP/APGroupPrvs	Y	N	N	Y
APGroupPrvsACIPv4	/api/v1/AP/APGroupPrvsACIPv4	Y	N	N	Y
APGroupPrvsACIPv6	/api/v1/AP/APGroupPrvsACIPv6	Y	N	N	Y
APListOfGroup	/api/v1/AP/APListOfGroup	Y	N	N	N
Location	/api/v1/AP/Location	Y	N	N	Y
APAuthentication	/api/v1/AP/APAuthentication	N	N	N	N
HistorySummary	/api/v1/AP/HistorySummary	Y	N	N	N
AllAP	/api/v1/AP/AllAP	Y	N	N	N
LocalACDB	/api/v1/AP/LocalACDB	Y	N	N	N
LocalAC	/api/v1/AP/LocalAC	Y	N	N	Y
ContainerTopology	/api/v1/AP/ContainerTopology	Y	N	N	Y
Container	/api/v1/AP/Container	Y	N	N	Y

AP

AP/APSummary

This table contains AP global statistics.

Properties

Column name	Column description	Column type	Data type and restrictions
ManualApNum	Number of manual APs	N/A	Unsigned integer. Value range: 0 to 65535.
RunApNum	Number of running APs	N/A	Unsigned integer. Value range: 0 to 65535.
OfflineApNum	Number of offline APs	N/A	Unsigned integer. Value range: 0 to 65535.
UnhealthyApNum	Number of Unhealthy APs	N/A	Unsigned integer. Value range: 0 to 65535.
ApGroupNum	Number of AP groups	N/A	Unsigned integer. Value range: 0 to 65535.
LocationNum	Number of locations	N/A	Unsigned integer. Value range: 0 to 65535.
NorthIfOutPkt	Packets count of northbound interface with outbound direction.	N/A	Unsigned integer. Value range: 0 to 4294967295.
NorthIfOutByte	Throughput statistics of northbound interface with outbound direction.	N/A	Unsigned integer. Value range: 0 to 4294967295.
NorthIfInPkt	Packets count of northbound interface with inbound direction.	N/A	Unsigned integer. Value range: 0 to 4294967295.
NorthIfInByte	Throughput statistics of northbound interface with inbound direction.	N/A	Unsigned integer. Value range: 0 to 4294967295.
Is5gRadioNum	Number of radios which is 5GHz.	N/A	Unsigned integer. Value range: 0 to 4294967295.
Is2.4gRadioNum	Number of radios which is 2.4GHz.	N/A	Unsigned integer. Value range: 0 to 4294967295.
AccessModeNum	Number of radios in access mode.	N/A	Unsigned integer. Value range: 0 to 4294967295.
SensorModeNum	Number of radios in sensor mode.	N/A	Unsigned integer. Value range: 0 to 4294967295.
HybirdModeNum	Number of radios in hybird mode.	N/A	Unsigned integer. Value range: 0 to 4294967295.
ChannelBusyLower10PctNum	Number of radios	N/A	Unsigned integer.

Column name	Column description	Column type	Data type and restrictions
	which channel busy is lower than 10%		Value range: 0 to 4294967295.
ChannelBusy10PctNum	Number of radios which channel busy is between 10% and 20%	N/A	Unsigned integer. Value range: 0 to 4294967295.
ChannelBusy20PctNum	Number of radios which channel busy is between 20% and 30%	N/A	Unsigned integer. Value range: 0 to 4294967295.
ChannelBusy30PctNum	Number of radios which channel busy is between 30% and 40%	N/A	Unsigned integer. Value range: 0 to 4294967295.
ChannelBusy40PctNum	Number of radios which channel busy is between 40% and 50%	N/A	Unsigned integer. Value range: 0 to 4294967295.
ChannelBusy50PctNum	Number of radios which channel busy is between 50% and 60%	N/A	Unsigned integer. Value range: 0 to 4294967295.
ChannelBusy60PctNum	Number of radios which channel busy is between 60% and 70%	N/A	Unsigned integer. Value range: 0 to 4294967295.
ChannelBusy70PctNum	Number of radios which channel busy is between 70% and 80%	N/A	Unsigned integer. Value range: 0 to 4294967295.
ChannelBusy80PctNum	Number of radios which channel busy is between 80% and 90%	N/A	Unsigned integer. Value range: 0 to 4294967295.
ChannelBusy90PctNum	Number of radios which channel busy is upper than 90%	N/A	Unsigned integer. Value range: 0 to 4294967295.
NoiseFloorLower105Num	Number of radios which noise floor is lower than 105dbm	N/A	Unsigned integer. Value range: 0 to 4294967295.
NoiseFloor100Num	Number of radios which noise floor is between 100dbm and 105dbm	N/A	Unsigned integer. Value range: 0 to 4294967295.
NoiseFloor95Num	Number of radios which noise floor is between 95dbm and 100dbm	N/A	Unsigned integer. Value range: 0 to 4294967295.
NoiseFloor90Num	Number of radios which noise floor is between 90dbm and	N/A	Unsigned integer. Value range: 0 to 4294967295.

Column name	Column description	Column type	Data type and restrictions
	95dbm		
NoiseFloor85Num	Number of radios which noise floor is between 85dbm and 90dbm	N/A	Unsigned integer. Value range: 0 to 4294967295.
NoiseFloor80Num	Number of radios which noise floor is between 80dbm and 85dbm	N/A	Unsigned integer. Value range: 0 to 4294967295.
NoiseFloor75Num	Number of radios which noise floor is between 75dbm and 80dbm	N/A	Unsigned integer. Value range: 0 to 4294967295.
NoiseFloor70Num	Number of radios which noise floor is between 70dbm and 75dbm	N/A	Unsigned integer. Value range: 0 to 4294967295.
NoiseFloorUpper70Num	Number of radios which noise floor is upper than 70dbm	N/A	Unsigned integer. Value range: 0 to 4294967295.
Dot11InterfLower10PctNum	Number of radios which 802.11 interference is lower than 10%	N/A	Unsigned integer. Value range: 0 to 4294967295.
Dot11Interf10PctNum	Number of radios which 802.11 interference is between 10% and 20%	N/A	Unsigned integer. Value range: 0 to 4294967295.
Dot11Interf20PctNum	Number of radios which 802.11 interference is between 20% and 30%	N/A	Unsigned integer. Value range: 0 to 4294967295.
Dot11Interf30PctNum	Number of radios which 802.11 interference is between 30% and 40%	N/A	Unsigned integer. Value range: 0 to 4294967295.
Dot11Interf40PctNum	Number of radios which 802.11 interference is between 40% and 50%	N/A	Unsigned integer. Value range: 0 to 4294967295.
Dot11Interf50PctNum	Number of radios which 802.11 interference is between 50% and 60%	N/A	Unsigned integer. Value range: 0 to 4294967295.
Dot11Interf60PctNum	Number of radios which 802.11 interference is between 60% and	N/A	Unsigned integer. Value range: 0 to 4294967295.

Column name	Column description	Column type	Data type and restrictions
	70%		
Dot11Interf70PctNum	Number of radios which 802.11 interference is between 70% and 80%	N/A	Unsigned integer. Value range: 0 to 4294967295.
Dot11Interf80PctNum	Number of radios which 802.11 interference is between 80% and 90%	N/A	Unsigned integer. Value range: 0 to 4294967295.
Dot11Interf90PctNum	Number of radios which 802.11 interference is upper than 90%	N/A	Unsigned integer. Value range: 0 to 4294967295.
NonDot11InterfLower10PctNum	Number of radios which non-802.11 interference is lower than 10%	N/A	Unsigned integer. Value range: 0 to 4294967295.
NonDot11Interf10PctNum	Number of radios which non-802.11 interference is between 10% and 20%	N/A	Unsigned integer. Value range: 0 to 4294967295.
NonDot11Interf20PctNum	Number of radios which non-802.11 interference is between 10% and 20%	N/A	Unsigned integer. Value range: 0 to 4294967295.
NonDot11Interf30PctNum	Number of radios which non-802.11 interference is between 20% and 30%	N/A	Unsigned integer. Value range: 0 to 4294967295.
NonDot11Interf40PctNum	Number of radios which non-802.11 interference is between 30% and 40%	N/A	Unsigned integer. Value range: 0 to 4294967295.
NonDot11Interf50PctNum	Number of radios which non-802.11 interference is between 50% and 60%	N/A	Unsigned integer. Value range: 0 to 4294967295.
NonDot11Interf60PctNum	Number of radios which non-802.11 interference is between 60% and 70%	N/A	Unsigned integer. Value range: 0 to 4294967295.
NonDot11Interf70PctNum	Number of radios which non-802.11 interference is between 70% and 80%	N/A	Unsigned integer. Value range: 0 to 4294967295.

Column name	Column description	Column type	Data type and restrictions
NonDot11Interf80PctNum	Number of radios which non-802.11 interference is between 80% and 90%	N/A	Unsigned integer. Value range: 0 to 4294967295.
NonDot11Interf90PctNum	Number of radios which non-802.11 interference is upper than 90%	N/A	Unsigned integer. Value range: 0 to 4294967295.
RunSPMNum	Number of running SPMs	N/A	Unsigned integer. Value range: 0 to 65535.
OfflineSPMNum	Number of offline SPMs	N/A	Unsigned integer. Value range: 0 to 65535.
MaxRunApNum	Max number of running Aps	N/A	Unsigned integer. Value range: 0 to 65535.
MaxPersistentApNum	Max number of persistent Aps	N/A	Unsigned integer. Value range: 0 to 65535.

Examples

Example 1: Get global statistics information about AP.

JSON Request

GET /api/v1/AP/APSummary

JSON Response

200 OK

```
{
  "ManualApNum" : 1
  "RunApNum" : 0
  "OfflineApNum" : 0
  "UnhealthyApNum" : 0
  "ApGroupNum" : 0
  "LocationNum" : 0
  "NorthIfOutPkt" : 0
  "NorthIfOutByte" : 0
  "NorthIfInPkt" : 0
  "NorthIfInByte" : 0
  "Is5gRadioNum" : 0
  "Is2gRadioNum" : 0
  "AccessModeNum" : 0
  "SensorModeNum" : 0
}
```

"HybirdModeNum" : 0
"ChannelBusyLower10PctNum" : 0
"ChannelBusy10PctNum" : 0
"ChannelBusy20PctNum" : 0
"ChannelBusy30PctNum" : 0
"ChannelBusy40PctNum" : 0
"ChannelBusy50PctNum" : 0
"ChannelBusy60PctNum" : 0
"ChannelBusy70PctNum" : 0
"ChannelBusy80PctNum" : 0
"ChannelBusy90PctNum" : 0
"NoiseFloorLower105Num" : 0
"NoiseFloor100Num" : 0
"NoiseFloor95Num" : 0
"NoiseFloor90Num" : 0
"NoiseFloor85Num" : 0
"NoiseFloor80Num" : 0
"NoiseFloor75Num" : 0
"NoiseFloor70Num" : 0
"NoiseFloorUpper70Num" : 0
"Dot11InterfLower10PctNum" : 0
"Dot11Interf10PctNum" : 0
"Dot11Interf20PctNum" : 0
"Dot11Interf30PctNum" : 0
"Dot11Interf40PctNum" : 0
"Dot11Interf50PctNum" : 0
"Dot11Interf60PctNum" : 0
"Dot11Interf70PctNum" : 0
"Dot11Interf80PctNum" : 0
"Dot11Interf90PctNum" : 0
"NonDot11InterfLower10PctNum" : 10
"NonDot11Interf10PctNum" : 10
"NonDot11Interf20PctNum" : 10
"NonDot11Interf30PctNum" : 10
"NonDot11Interf40PctNum" : 10
"NonDot11Interf50PctNum" : 10
"NonDot11Interf60PctNum" : 10
"NonDot11Interf70PctNum" : 10
"NonDot11Interf80PctNum" : 10


```

"NonDot11Interf90PctNum" : 10
"RunSPMNum" : 0
"OfflineSPMNum" : 0
"MaxRunApNum" : 600
"MaxPersistentApNum" : 600
}

```

AP/GlobalCfg

This table contains the informations of global.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
AutoAp	Whether an AP can connect the AC without creating a manual AP.	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. Default value is false.	N/A
AutoPersistent	When an auto AP connects the AC , whether convert the AP to manual AP automatically.	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. Default value is false.	N/A
RegionCode	Region code of AP group.	N/A	Unsigned short.	Conform to ISO 3166 standart.
RegionLock	Whether the region code of the AC is locked.	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. Default value is false.	N/A
Priority	AP connection priority	N/A	Unsigned short. Value range: 0 to 7.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Preempt	Whether the AP in this group will be forced to switch the backup tunnel to active by priority.	N/A	Boolean: <ul style="list-style-type: none"> true: Switch false: Not switch 	N/A
EchoInterval	The transmit interval of tunnel echo messages.	N/A	Unsigned short. Value range: 0, 5 to 255. Unit: seconds	N/A
EchoCount	The allowed maximum number of echo messages which are not received. If the count is reached, the tunnel will be down.	N/A	Unsigned short. Value range: 1 to 20.	N/A
RetransInterval	The interval to retransmit a request message.	N/A	Unsigned short. Value range: 1 to 30. Unit: seconds	N/A
RetransCount	The allowed maximum number of retransmission attempts. If the count is reached, the tunnel will be down.	N/A	Unsigned short. Value range: 1 to 20. Unit: seconds.	N/A
StatInterval	The interval of AP sending the statistics informations to AC.	N/A	Unsigned short. Value range: 0 to 240. Unit: seconds.	N/A
FirmwareUpgrade	Whether the AC will upgrade AP's firmware automatically if the software is mismatch.	N/A	Boolean: <ul style="list-style-type: none"> true: Enable false: Disable 	N/A
BackupACIPv4	The IPv4 backup AC address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
BackupACIPv6	The IPv6 backup AC address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.

Column name	Column description	Column type	Data type and restrictions	Remarks
TunnelEncryption	Whether to enable tunnel encryption.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable false—Disable 	N/A
MainAPName	AP name.	N/A	String, lowercase. Length: 1 to 64 characters.	Only for FatAP Type.
Gps	Gps.	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	Only for FatAP Type
LocalAC	Whether to enable Local ac.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	Only for Local-ac Type
CentralACIPv4	The IPv4 Central AC address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1. Only for Local-ac Type
CentralACIPv6	The IPv6 Central AC address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1. Only for Local-ac Type
ControlAddress	CAPWAP control address configuration.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
ControlAddressIPv4	Specify an AC IPv4 address for AC rediscovery	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
ControlAddressIPv6	Specify an AC IPv4 address for AC rediscovery	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.

Examples

Example 1: Get informations of global.

JSON Request

GET /api/v1/AP/GlobalCfg

JSON Response

200 OK

```
{
  "AutoAp" : "false"
  "AutoPersistent" : "false"
  "RegionCode" : 156
  "RegionLock" : "false"
  "Priority" : 4
  "Preempt" : "false"
  "EchoInterval" : 10
```

```

"EchoCount" : 3
"RetransInterval" : 5
"RetransCount" : 3
"StatisInterval" : 50
"FirmwareUpgrade" : "true"
"BackupACIPv4" : 0.0.0.0
"BackupACIPv6": ::
"TunnelEncryption" : "false"
"MainAPName" :
"Gps" : "false"
"LocalAC" : "false"
"ContralAddress" : "false"
"ControlAddressIPv4" : 0.0.0.0
"ControlAddressIPv6": ::
}

```

AP/ManualAP

This table contains information of manual AP.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	N/A
Model	AP model name.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
CfgSerialID	Configured AP serial ID.	N/A	String, uppercase. Length: 1 to 127 characters.	N/A
CfgMacAddress	Configured AP MAC address.	N/A	Six groups of two hexadecimal digits, hyphen-separated.	Example: 00-0c-af-e3-5d-c0.
RadioNum	Number of the radio.	N/A	Unsigned short. Value range: 1 to 4.	N/A
Status	AP associated status.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Online 2—Offline 3—Image downloading 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	The name of AP group which the AP belongs to.	N/A	String, lowercase. Length: 1 to 31 characters.	N/A
RegionCode	Region code of AP.	N/A	Unsigned short.	Conform to ISO 3166 standard.
RegionLock	Whether the region code of the AP is locked.	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
Priority	AP connection priority.	N/A	Unsigned short. Value range: 0 to 7.	N/A
Preempt	Whether the AP will be forced to switch the backup tunnel to active by priority.	N/A	Boolean: <ul style="list-style-type: none"> true: Switch false: Not switch 	N/A
EchoInterval	The transmit interval of tunnel echo messages.	N/A	Unsigned short. Value range: 0, 5 to 255. Unit: seconds	N/A
EchoCount	The allowed maximum number of echo messages which are not received. If the count is reached, the tunnel will be down.	N/A	Unsigned short. Value range: 1 to 20.	N/A
RetransInterval	The interval to retransmit a request message.	N/A	Unsigned short. Value range: 1 to 30. Unit: seconds.	N/A
RetransCount	The allowed maximum number of retransmission attempts. If the count is reached, the tunnel will be down.	N/A	Unsigned short. Value range: 1 to 20. Unit: seconds.	N/A
StatInterval	RetransCount	N/A	Unsigned short. Value range: 0 to 240. Unit: seconds Default value is 50 seconds.	N/A
FirmwareUpgrade	Whether the AC will upgrade AP's firmware automatically if the software is mismatch.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable false—Disable 	N/A
BackupACIPv4	The IPv4 backup AC address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.

Column name	Column description	Column type	Data type and restrictions	Remarks
BackupACIPv6	The IPv6 backup AC address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.
LocationName	Which location the AP group belongs to.	N/A	String, lowercase. Length: 1 to 31 characters.	N/A
Description	The description of AP.	N/A	String, Length: 1 to 64 cahracters.	N/A
TunnelEncryption	Whether to enable tunnel encryption.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable false—Disable 	N/A
OfflineTime	The time since the AP online.	N/A	Unsigned integer. Value range: 0 to 4294967295. Unit: Second	N/A
OfflineMoment	The time of the AP offline in last time.	N/A	DateTime. Format: YYYY-MM-DDTHH:MM:SS	Example: 2014-05-07T09:35:07
ControlAddress	CAPWAP control address configuration	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
ControlAddressIPv4	Specify an AC IPv4 address for AC rediscovery	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
ControlAddressIPv6	Specify an AC IPv4 address for AC rediscovery	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.
ProvisionAutoUpgrade	Whether to enable provision auto-upgrade.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
ProvisionAutoRecover	Whether to enable provision auto-recover.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable 	N/A
ModelType	Whether to enabel	N/A	Enumeration:	When the value is 3,

Column name	Column description	Column type	Data type and restrictions	Remarks
	wtu configuration		<ul style="list-style-type: none"> 1—normal 2—wt 	some command can not be configured.

Examples

Example 1: Get the information of manual AP.

JSON Request

GET /api/v1/AP/ManualAP

JSON Response

200 OK

```
{
  "Name" : "ap1"
  "Model" : "WA2620i-AGN"
  "CfgSerialID" :
  "CfgMacAddress" : 00-00-00-00-00-00
  "RadioNum" : 2
  "Status" : 2
  "GroupName" : "default-group"
  "RegionCode" : 156
  "RegionLock" : "false"
  "Priority" : 4
  "Preempt" : "false"
  "EchoInterval" : 10
  "EchoCount" : 3
  "RetransInterval" : 5
  "RetransCount" : 3
  "StatisInterval" : 50
  "FirmwareUpgrade" : "true"
  "BackupACIPv4" : 0.0.0.0
  "BackupACIPv6" : ::
  "LocationName" : "default-location"
  "Description" :
  "TunnelEncryption" : "false"
  "OfflineTime" : 112
  "OfflineMoment" : "2017-11-10T10:37:36"
  "ControlAddress" : "false"
  "ControlAddressIPv4" : 0.0.0.0
```

```

"ControlAddressIPv6" : ::
"ProvisionAutoUpgrade" : "false"
"ProvisionAutoRecover" : "false"
"ModelType" : 1
}

```

Example 2: Delete the manual AP.

JSON Request

```
DELETE /api/v1/AP/ManualAP?index=Name=ap1
```

JSON Response

204 No Content

AP/APRunningCfg

This table contains information of AP running configurations.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	N/A
RegionCode	Region code of AP.	N/A	Unsigned short.	Conform to ISO 3166 standard.
RegionLock	Whether the region code of the AP is locked.	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
Priority	AP connection priority.	N/A	Unsigned short. Value range: 0 to 7.	N/A
Preempt	Whether the AP will be forced to switch the backup tunnel to active by priority.	N/A	Boolean: <ul style="list-style-type: none"> true: Switch false: Not switch 	N/A
EchoInterval	The transmit interval of tunnel echo messages.	N/A	Unsigned short. Value range: 0, 5 to 255. Unit: seconds	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
EchoCount	The allowed maximum number of echo messages which are not received. If the count is reached, the tunnel will be down.	N/A	Unsigned short. Value range: 1 to 20.	N/A
RetransInterval	The interval to retransmit a request message.	N/A	Unsigned short. Value range: 1 to 30. Unit: seconds.	N/A
RetransCount	The allowed maximum number of retransmission attempts. If the count is reached, the tunnel will be down.	N/A	Unsigned short. Value range: 1 to 20. Unit: seconds.	N/A
StatInterval	The interval of AP sending the statistics informations to AC.	N/A	Unsigned short. Value range: 0 to 240. Unit: seconds.	N/A
FirmwareUpgrade	Whether the AC will upgrade AP's firmware automatically if the software is mismatch.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable false—Disable 	N/A
BackupACIPv4	The IPv4 backup AC address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
BackupACIPv6	The IPv6 backup AC address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.
LocationName	Which location the AP group belongs to.	N/A	String, lowercase. Length: 1 to 31 characters.	N/A
Description	The description of AP.	N/A	String, Length: 1 to 64 cahacters.	N/A
TunnelEncryption	Whether to enable tunnel encryption.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable false—Disable 	N/A

Examples

Example 1: Get information of AP running configurations.

JSON Request

GET /api/v1/AP/APRunningCfg

JSON Response

```

200 OK
{
  "Name" : "ap1"
  "RegionCode" : 156
  "RegionLock" : "false"
  "Priority" : 4
  "Preempt" : "false"
  "EchoInterval" : 10
  "EchoCount" : 3
  "RetransInterval" : 5
  "RetransCount" : 3
  "StatisInterval" : 50
  "FirmwareUpgrade" : "true"
  "BackupACIPv4" : 0.0.0.0
  "BackupACIPv6" : ::
  "LocationName" : "default-location"
  "Description" :
  "TunnelEncryption" : "false"
}

```

AP/RunAP

This table contains information of the running AP.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	N/A
Model	AP model name.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
SerialID	AP serial ID.	N/A	String, uppercase. Length: 1 to 127 characters.	N/A
Type	AP type.	N/A	Enumeration: <ul style="list-style-type: none"> 1—auto 2—manual 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
MacAddress	AP MAC address.	N/A	Six groups of two hexadecimal digits, hyphen-separated.	Example: 00-0c-af-e3-5d-c0.
RadioNum	Number of the radio.	N/A	Unsigned short. Value range: 1 to 4.	N/A
Status	AP associated status.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Online 3—Image downloading 	N/A
Ipv4Address	AP IPv4 address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1. This column is unavailable when the AP uses an IPv6 address.
Ipv6Address	AP IPv6 address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1. This column is unavailable when the AP uses an IPv4 address.
PortNumber	AP port number.	N/A	Unsigned integer. Value range: 1 to 65535.	N/A
GroupName	The name of AP group which the AP belongs to.	N/A	String, lowercase. Length: 1 to 31 characters.	N/A
OnlineTime	The time since the AP online.	N/A	Unsigned integer. Value range: 0 to 4294967295. Unit: Second	N/A
HWVer	The version of AP hardware.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Ver.A 2—Ver.B 3—Ver.C 4—Ver.D 5—Ver.E 	N/A
SWVer	The version of AP software.	N/A	String. Length: 1 to 31 characters.	N/A
BWVer	The version of AP bootrom.	N/A	String. Length: 1 to 31 characters.	N/A
TransCtrlPkt	Count of transmitted control packets.	N/A	Unsigned integer. Value range: 0 to 4294967295.	N/A
RecvCtrlPkt	Count of received control packets.	N/A	Unsigned integer. Value range: 0 to 4294967295.	N/A
TransDataPkt	Count of transmitted data packets.	N/A	Unsigned integer. Value range: 0 to 4294967295.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
RecvDataPkt	Count of received data packets.	N/A	Unsigned integer. Value range: 0 to 4294967295.	N/A
EchoReqCnt	Count of echo request packets.	N/A	Unsigned integer. Value range: 0 to 4294967295.	N/A
EchoRespLossCnt	Count of lost echo response packets.	N/A	Unsigned integer. Value range: 0 to 4294967295.	N/A
DiscoveryType	By which type the AP find the AC.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Unknown 2—DHCP 3—Static Configuration 4—DNS 	N/A
ConfigFailCnt	Count of failed Configuration.	N/A	Unsigned integer. Value range: 0 to 4294967295.	N/A
LastFailReason	The cause of synchronizing configurations to the AP failed in last time.	N/A	String. Length: 1 to 31 characters.	N/A
LastRebootReason	The cause of the AP rebooting in last time.	N/A	String. Length: 1 to 31 characters.	N/A
TunnelDownReason	The cause of the tunnel down in last time.	N/A	String. Length: 1 to 31 characters.	N/A
ConnectionType	The connection type of tunnel.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Active 2—Standby 	N/A
PeerACIPv4Address	The IPv4 address of peer AC that AP is connecting to.	N/A	String, dotted decimal notation.	Example: 1.1.1.1. This column is unavailable when the AP uses an IPv6 address.
PeerACIPv6Address	The IPv6 address of peer AC that AP is connecting to.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1. This column is unavailable when the AP uses an IPv4 address.
LocationName	Which location the AP group belongs to.	N/A	String, lowercase. Length: 1 to 31 characters.	N/A
AuthenticateFlag	Whether the auto-ap is authenticated.	N/A	Boolean: <ul style="list-style-type: none"> Enable Disable 	When AP type is manual AP, this column is invalid.

Column name	Column description	Column type	Data type and restrictions	Remarks
LocalACName	Local-ac name.	N/A	String, lowercase. Length: 1 to 64 characters.	N/A

Examples

Example 1: Get information of the running AP.

JSON Request

GET /api/v1/AP/RunAP

JSON Response

200 OK

```
{
  "Name" : "ap1"
  "Model" : "WA2620i-AGN"
  "SerialID" : "H3C_62-73-7B-2E-01-00"
  "Type" : 1
  "MacAddress" : "62-73-7B-2E-01-00"
  "RadioNum" : 2
  "Status" : 1
  "Ipv4Address" : 3.3.3.45
  "PortNumber" : 22981
  "GroupName" : "default-group"
  "OnlineTime" : 111
  "HWVer" : 1
  "SWVer" : A7164
  "BWVer" : 2.17
  "TransCtrlPkt" : 32
  "RecvCtrlPkt" : 32
  "TransDataPkt" : 100
  "RecvDataPkt" : 100
  "EchoReqCnt" : 8
  "EchoRespLossCnt" : 0
  "DiscoveryType" : 3
  "ConfigFailCnt" : 2
  "LastFailReason" : "No reason"
  "LastRebootReason" : "User reboot"
  "TunnelDownReason" : "No reason"
}
```

```

"ConnectionType" : 1
"LocationName" : "default-location"
"AuthenticatedFlag" : "true"
}

```

AP/APHistory

This table contains the information of the AP history .

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	N/A
LatestIPv4Address	The latest IPv4 address that AP used.	N/A	String, dotted decimal notation.	Example: 1.1.1.1. This column is unavailable when the AP uses an IPv6 address.
LatestIPv6Address	The latest IPv6 address that AP used.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1. This column is unavailable when the AP uses an IPv4 address.
ConnectCnt	The count that the AP connected the AC.	N/A	Unsigned integer. Value range: 0 to 4294967295.	N/A

Examples

Example 1: Get information of the AP history.

JSON Request

```
GET /api/v1/AP/APHistory
```

JSON Response

200 OK

```

{
  "Name" : "ap1"
  "LatestIPv4Address" : 3.3.3.45
  "ConnectCnt" : 1
}

```

AP/RadioOfManualAP

This table contains radio information of manual AP.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	N/A
RadioID	Radio ID.	Index	Unsigned short. Value range: 1 to 31.	N/A
Mode	Radio mode.	N/A	Enumeration: <ul style="list-style-type: none">1—802.11b2—802.11a3—802.11g4—802.11n(2.4GHz)5—802.11n(5GHz)6—802.11ac(2.4GHz)7—802.11ac(5GHz)	N/A
SupportDot11B	Whether a radio supports 802.11b radio mode	N/A	Boolean: <ul style="list-style-type: none">true—Support.false—Not support.	N/A
SupportDot11A	Whether a radio supports 802.11a radio mode	N/A	Boolean: <ul style="list-style-type: none">true—Support.false—Not support.	N/A
SupportDot11G	Whether a radio supports 802.11g radio mode	N/A	Boolean: <ul style="list-style-type: none">true—Support.false—Not support.	N/A
SupportDot11GN	Whether a radio supports 802.11n(2.4GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none">true—Support.false—Not support.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
SupportDot11AN	Whether a radio supports 802.11n(5GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11GAC	Whether a radio supports 802.11ac(2.4GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11AC	Whether a radio supports 802.11ac(5GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
Bandwidth	Radio bandwidth.	N/A	Enumeration: <ul style="list-style-type: none"> 1—20M 2—40M 3—80M 4—160M 5—80M + 80M 17—5M 18—10M 	N/A
Spectrum	Supported radio spectrum.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Support both 5GHz and 2.4GHz 2—Support 5GHz only 3—Support 2.4GHz only 	N/A
Status	Radio status.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable 1—Enable 2—Inherit 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
RateMulticast	Multicast.	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> • 1—1Mbps • 2—2Mbps • 3—5.5Mbps • 4—6Mbps • 5—9Mbps • 6—11Mbps • 7—12Mbps • 8—18Mbps • 9—24Mbps • 10—36Mbps • 11—48Mbps • 12—54Mbps • 13—auto <p>If this column is not configured, the multicast rate will be calculated automatically.</p>	<p>The value can have multi-selections. List of enumeration, separated by comma</p> <p>Example: 1, 2.</p>
RateMandatory	Mandatory rate.	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> • 1—1Mbps • 2—2Mbps • 3—5.5Mbps • 4—6Mbps • 5—9Mbps • 6—11Mbps • 7—12Mbps • 8—18Mbps • 9—24Mbps • 10—36Mbps • 11—48Mbps • 12—54Mbps 	<p>The value can have multi-selections. List of enumeration, separated by comma</p> <p>Example: 1, 2.</p>

Column name	Column description	Column type	Data type and restrictions	Remarks
RateSupported	Supported rate.	N/A	Enumeration: <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps 	The value can have multi-selections, exclude the one which multicast rate uses. List of enumeration, separated by comma Example: 1, 2.
RateDisabled	Disabled rate.	N/A	Enumeration: <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps 	The value can have multi-selections, exclude the one which multicast rate uses. List of enumeration, separated by comma Example: 1, 2.
Preamble	Preamble.	N/A	Boolean: <ul style="list-style-type: none"> true—Short. false—Long. The column is only for 2.4GHz radio mode.	N/A
BeaconInterval	Beacon Interval time.	N/A	Unsigned short. The value range is 32~8191. Unit: TU. 1TU = 1024ms	N/A
PowerLock	Lock the power.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable 1—Enable 2—Inherit 	N/A
Distance	The distance that Radio can cover.	N/A	Unsigned short. The value range is 1~40. Unit: km(kilometre).	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
MaxRxDuration	Max Received frame duration time.	N/A	Unsigned integer. The value range is 500~250000. Unit: ms(millisecond).	N/A
FragmentThreshold	Fragment threshold.	N/A	Unsigned short. The value range is 256~2346.And the value must be an even number. Unit: byte.	N/A
LongRetryThreshold	Long retry threshold.	N/A	Unsigned short. The value range is 1~15. Unit: null.	N/A
ProtectionThreshold	ProtectionThreshold.	N/A	Unsigned short. The value range is 0~2346. Unit: byte.	N/A
ShortRetryThreshold	ShortRetryThreshold.	N/A	Unsigned short. The value range is 1~15. Unit: null.	N/A
CfgChannel	Configured channel number.	N/A	The value range conforms to AP/ChannelDB/Supported ChannelList” column. And 15 –auto lock、16-auto unlock.	When the value is 15, the radio automatically selects an optimal channel, and then locks the channel. When the AC detects any radar signals on its channel, it immediately selects another channel (even if the channel auto lock is true) and locks the new channel.
CfgMaxPower	Configured maximum power.	N/A	Unsigned short. Value range: 1 to “AP/PowerDB/ValidMaxPower”. Unit: dBm	N/A
ProtectionMode	Protection mode.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Rts/Cts. 2—Cts To Self 	N/A

Examples

Example 1: Get radio information of manual AP.

JSON Request

GET /api/v1/AP/RadioOfManualAP

JSON Response

200 OK

```
{
  "ApName" : "ap1"
  "RadioID" : 1
  "Mode" : 5
  "SupportDot11B" : "false"
  "SupportDot11A" : "true"
  "SupportDot11G" : "false"
  "SupportDot11GN" : "false"
  "SupportDot11AN" : "true"
  "SupportDot11GAC" : "false"
  "SupportDot11AC" : "false"
  "Bandwidth" : 2
  "Spectrum" : 2
  "Status" : 0
  "RateMulticast" : 13
  "RateMandatory" : 4,7,9
  "RateSupported" : 5,8,10,11,12
  "BeaconInterval" : 100
  "PowerLock" : 0
  "Distance" : 1
  "MaxRxDuration" : 2000
  "FragmentThreshold" : 2346
  "LongRetryThreshold" : 4
  "ProtectionThreshold" : 2346
  "ShortRetryThreshold" : 7
  "CfgChannel" : 149
  "CfgMaxPower" : 20
  "ProtectionMode" : 2
}
```

AP/RadioRunningCfg

This table contains radio information of radio running configurations.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	N/A
RadioID	Radio ID.	Index	Unsigned short. Value range: 1 to 31.	N/A
Mode	Radio mode.	N/A	Enumeration: <ul style="list-style-type: none"> 1—802.11b 2—802.11a 3—802.11g 4—802.11n(2.4GHz) 5—802.11n(5GHz) 6—802.11ac(2.4GHz) 7—802.11ac(5GHz) 	N/A
SupportDot11B	Whether a radio supports 802.11b radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11A	Whether a radio supports 802.11a radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11G	Whether a radio supports 802.11g radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11GN	Whether a radio supports 802.11n(2.4GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11AN	Whether a radio supports 802.11n(5GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11GAC	Whether a radio supports 802.11ac(2.4GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11AC	Whether a radio supports 802.11ac(5GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Bandwidth	Radio bandwidth.	N/A	Enumeration: <ul style="list-style-type: none"> 1—20M 2—40M 3—80M 4—160M 5—80M + 80M 17—5M 18—10M 	N/A
Spectrum	Supported radio spectrum.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Support both 5GHz and 2.4GHz 2—Support 5GHz only 3—Support 2.4GHz only 	N/A
Status	Radio status.	N/A	Enumeration: <ul style="list-style-type: none"> Disable Enable 	N/A
RateMulticast	Multicast rate.	N/A	Enumeration: <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps 13—auto 	The value can have multi-selections. List of enumeration, separated by comma Example: 1, 2.

Column name	Column description	Column type	Data type and restrictions	Remarks
RateMandatory	Mandatory rate.	N/A	Enumeration: <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps 	The value can have multi-selections. List of enumeration, separated by comma Example: 1, 2.
RateSupported	Supported rate.	N/A	Enumeration: <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps 	The value can have multi-selections, exclude the one which multicast rate uses. List of enumeration, separated by comma Example: 1, 2.
RateDisabled	Disabled rate.	N/A	Enumeration: <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps 	The value can have multi-selections, exclude the one which multicast rate uses. List of enumeration, separated by comma Example: 1, 2.

Column name	Column description	Column type	Data type and restrictions	Remarks
Preamble	Preamble.	N/A	Boolean: <ul style="list-style-type: none"> true—Short. false—Long. The column is only for 2.4GHz radio mode.	N/A
BeaconInterval	Beacon Interval time.	N/A	Unsigned short. The value range is 32~8191. Unit: TU. 1TU = 1024ms	N/A
PowerLock	Lock the power.	N/A	Enumeration: <ul style="list-style-type: none"> Disable Enable 	N/A
	Lock the channel.		Boolean: <ul style="list-style-type: none"> true—ChannelAutoLock. false—ChannelAutoUnLock. The default value is true.	When the value is true, the radio automatically selects an optimal channel, and then locks the channel. When the AG detects any radar signals on its channel, it immediately selects another channel (even if the channel auto lock is true) and locks the new channel.
Distance	The distance that Radio can cover.	N/A	Unsigned short. The value range is 1~40. Unit: km(kilometre).	N/A
MaxRxDuration	Max Reveived frame duration time.	N/A	Unsigned integer. The value range is 500~250000. Unit: ms(millisecond).	N/A
FragmentThreshold	Fragment threshold.	N/A	Unsigned short. The value range is 256~2346. And the value must be an even number. Unit: byte.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
LongRetryThreshold	LongRetryThreshold.	N/A	Unsigned short. The value range is 1~15. Unit: null.	N/A
ProtectionThreshold	ProtectionThreshold.	N/A	Unsigned short. The value range is 0~2346. Unit: byte.	N/A
ShortRetryThreshold	ShortRetryThreshold.	N/A	Unsigned short. The value range is 1~15. Unit: null.	N/A
CfgChannel	Configured channel number.	N/A	The value range conforms to "AP/ChannelDB/Supported ChannelList" column. And 15 –auto lock, 16-auto unlock.	When the value is 15, the radio automatically selects an optimal channel, and then locks the channel. When the AC detects any radar signals on its channel, it immediately selects another channel (even if the channel auto lock is true) and locks the new channel.
CfgMaxPower	Configured maximum power.	N/A	Unsigned short. Value range: 1 to "AP/PowerDB/ValidMaxPower". Unit: dBm	N/A

Examples

Example 1: Get radio information of radio running configurations.

JSON Request

GET /api/v1/AP/RadioRunningCfg

JSON Response

200 OK

{

```

"ApName" : "ap1"
"RadioID" : 1
"Mode" : 5
"SupportDot11B" : "false"
"SupportDot11A" : "true"
"SupportDot11G" : "false"
"SupportDot11GN" : "false"
"SupportDot11AN" : "true"
"SupportDot11GAC" : "false"
"SupportDot11AC" : "false"
"Bandwidth" : 2
"Spectrum" : 2
"Status" : 0
"RateMulticast" : 13
"RateMandatory" : 4,7,9
"RateSupported" : 5,8,10,11,12
"RateDisabled" :
"Preamble" : "true"
"BeaconInterval" : 100
"PowerLock" : 0
"Distance" : 1
"MaxRxDuration" : 2000
"FragmentThreshold" : 2346
"LongRetryThreshold" : 4
"ProtectionThreshold" : 2346
"ShortRetryThreshold" : 7
"CfgChannel" : 149
"CfgMaxPower" : 20
}

```

AP/Radio11n

This table contains radio 802.11n information.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	If this column contains uppercase character, it will be converted to lowercase automatically.
RadioID	Radio identifier.	Index	Unsigned char. Value range: 1 to 31.	N/A
MCSMulticast	The index for multicast MCS.	N/A	Unsigned short. Value range: 0 to 76, and 255. Default value is 255.	The MCSMulticast must be smaller than or equal to the MCSMandatory.
MCSMandatory	The maximum index for mandatory MCS.	N/A	Unsigned short. Value range: 0 to 76, and 255. Default value is 255.	The MCSMandatory must be smaller than or equal to the MCSSupported, and the MCSMandatory must be greater than or equal to the MCSMulticast.
MCSSupported	The maximum index for supported MCS.	N/A	Unsigned short. Value range: 0 to 76, and 255. Default value is 255.	The MCSSupported must be greater than or equal to the MCSMandatory.
Ampdu	A-mpdu function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Amsdu	A-msdu function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
ShortGI	Short GI function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Stbc	STBC function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Ldpc	LDPC function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Mimo	MIMO.	N/A	Enumeration: <ul style="list-style-type: none"> 1: 1X1 2: 2X2 3: 3X3 4: 4X4 	N/A

Greenap	Green ap function.	N/A	Boolean: <ul style="list-style-type: none"> • true—Enable. • false—Disable. 	N/A
SmartAntenna	Smart antenna function	N/A	Boolean: <ul style="list-style-type: none"> • true—Enable. • false—Disable. 	N/A
SmartAntennaPolicy	Smart antenna policy	N/A	Enumeration: <ul style="list-style-type: none"> • 1: Auto • 2: High-availability • 3: High-throughput 	Effective only when SmartAntenna is enabled.
Protection	802.11n protection function.	N/A	Boolean: <ul style="list-style-type: none"> • true—Enable. • false—Disable. 	N/A
Client11nOnly	Client dot11n only function.	N/A	Boolean: <ul style="list-style-type: none"> • true—Enable. • false—Disable. 	N/A
BandwidthAutoswitch	Bandwidth autoswitch function.	N/A	Boolean: <ul style="list-style-type: none"> • true—Enable. • false—Disable. The column is only for 2.4GHz radio mode, and AP/RadioOfManualAP/Bandwidth must be 2..	N/A

Examples

Example 1: Get radio 802.11n information.

JSON Request

GET /api/v1/AP/Radio11n

JSON Response

200 OK

```
{
  "ApName" : "ap1"
  "RadioID" : 1
  "Ampdu" : 1
  "Amsdu" : 1
  "ShortGI" : 1
  "Stbc" : 1
  "Ldpc" : 0
  "SmartAntenna" : 1
  "SmartAntennaPolicy" : 1
  "Client11nOnly" : 0
}
```

}

Example 2: Delete radio 802.11n information.

JSON Request

DELETE /api/v1/AP/Radio11n?index=ApName=ap1;RadioID=1;

JSON Response

204 No Content

AP/Radio11ac

This table contains radio 802.11ac information.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	If this column contains uppercase character, it will be converted to lowercase automatically.
RadioID	Radio identifier.	Index	Unsigned char. Value range: 1 to 31.	N/A
VHTNSSMulti cast	The NSS for multicast VHT-MCS.	N/A	Unsigned short. Value range: 0 to 8. Default value is 0.	The VHTNSSMulticast must be smaller than or equal to the VHTNSSMandatory.
VHTMCSMulti cast	The index for multicast VHT-MCS.	N/A	Unsigned short. Value range: 0 to 9, 255. Default value is 255.	N/A.
VHTNSSMan datory	The maximum NSS for mandatory VHT-MCS.	N/A	Unsigned short. Value range: 0 to 8. Default value is 0.	The VHTNSSMandatory must be smaller than or equal to the VHTNSSSupported, and the VHTNSSMandatory must be greater than or equal to the VHTNSSMulticast.
VHTNSSSupp orted	The maximum NSS for supported	N/A	Unsigned short. Value range: 0 to 8. Default value is 0.	The VHTNSSSupported must be greater than or equal to the

	VHT-MCS.			VHTNSSMandatory.
Client11acOnly	Client dot11ac only function.	N/A	Boolean: <ul style="list-style-type: none"> • true—Enable. • false—Disable. 	N/A

Examples

Example 1: Get radio 802.11ac information.

JSON Request

GET /api/v1/AP/Radio11ac

JSON Response

200 OK

```
{
  "ApName" : "ap1"
  "RadioID" : 1
  "Client11acOnly" : 0
}
```

Example 2: Delete radio 802.11ac information.

JSON Request

DELETE /api/v1/AP/Radio11ac?index=ApName=ap1;RadioID=1;

JSON Response

204 No Content

AP/RadioOfRunAP

This table contains radio information of running AP.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name	Index	String, lowercase. Length: 1 to 64 characters.	N/A
RadioID	Radio ID	Index	Unsigned short. Value range: 1 to 31.	N/A

Mode	Radio mode	N/A	Enumeration: <ul style="list-style-type: none"> 1—802.11b 2—802.11a 3—802.11g 4—802.11n(2.4GHz) 5—802.11n(5GHz) 6—802.11ac(2.4GHz) 7—802.11ac(5GHz) 	N/A
Bandwidth	Radio bandwidth	N/A	Enumeration: <ul style="list-style-type: none"> 1—20M 2—40M 3—80M 4—160M 5—80M + 80M 17—5M 18—10M 	N/A
Status	Radio status	N/A	Enumeration: <ul style="list-style-type: none"> enable disable 	N/A
Channel	Channel number	N/A	Unsigned short. The value range is related to AP model, radio mode, antenna type and region code.	N/A
SecondaryOff Set	Secondary channel offset	N/A	Enumeration: <ul style="list-style-type: none"> 0: None 1: Above 2: Below 	N/A
MaxPower	Maximum power	N/A	Unsigned short. The value range is related to AP model, radio mode, antenna type, channel number and region code. Unit: dBm	N/A
BasicBSSID	BasicBSSID	N/A	Six groups of two hexadecimal digits, hyphen-separated.	Example: 00-0c-af-e3-5d-c0.
TxPower	TxPower	N/A	Unsigned short.	N/A
NoiseFloor	NoiseFloor	N/A	String, Length: 1 to 7 characters.	N/A
ChannelBusy	ChannelBusy	N/A	Unsigned short.	N/A

Examples

Example 1: Get radio information of running AP.

JSON Request

GET /api/v1/AP/RadioOfRunAP

JSON Response

200 OK

```
{
  "ApName" : "ap1"
  "RadiolD" : 1
  "Mode" : 5
  "Bandwidth" : 2
  "Status" : 0
  "Channel" : 149
  "SecondaryOffSet" : 1
  "MaxPower" : 20
  "BasicBSSID" : "62-73-7B-2E-01-00"
  "TxPower" : 20
  "NoiseFloor" : 0
  "ChannelBusy" : 0
}
```

AP/PrvsOfManualAP

This table contains provision information of manual AP.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	If this column contains uppercase character, it will be converted to lowercase automatically.
ACHostName	Specify an AC by its hostname.	N/A	String. Length: 1 to 253 characters.	N/A
ACIPv4	Specify an AC by its IPv4	N/A	List of string, dotted decimal notation,	Example: 1.1.1.1, 1.1.1.2.

	address.		Separated by comma.	
ACIPv6	Specify an AC by its IPv6 address.	N/A	List of hexadecimal string, colon-separated, Separated by comma.	Example: 1:1::1:1,1:1::1:2.
DnsDomain	Specify the domain name suffix.	N/A	String. Length: 1 to 253.	N/A
DnsServerIPv4	Specify a DNS server by its IPv4 address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
DnsServerIPv6	Specify a DNS server by its IPv6 address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.
GatewayIPv4	Specify a gateway by its IPv4 address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
GatewayIPv6	Specify a gateway by its IPv6 address	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.
IPv4Address	Specify an IP address that the AP uses to establish a CAPWAP tunnel.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
IPv6Address	Specify an IPv6 address that the AP uses to establish a CAPWAP tunnel.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.
Dot1xSupplAnonyIdent	Specify an anonymous identifier for the supplicant.	N/A	String. Length: 1 to 253 characters.	N/A
Dot1xSupplEapMethod	Specify an EAP authentication method.	N/A	Enumeration: <ul style="list-style-type: none"> 1—md5 2—peap-gtc 3—peap-mschapv2 4—tls-gtc 5—tls-mschapv2 	N/A
Dot1xSupplEnable	Enable the 802.1X supplicant feature.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Dot1xSupplPasswordCipher	Specify a ciphertext password for the 802.1X supplicant.	N/A	String. Length: 1 to 201 characters.	N/A

Dot1xSupplPasswdSimple	Specify a plaintext password for the 802.1X supplicant.	N/A	String. Length: 1 to 127 characters.	N/A
Dot1xSupplUsername	Specify a username for the 802.1X supplicant.	N/A	String. Length: 1 to 253 characters.	N/A

Examples

Example 1: Get provision information of manual AP.

JSON Request

GET /api/v1/AP/PrvsOfManualAP

JSON Response

200 OK

```
{
  "ApName" : "ap1"
  "ACHostName" :
  "DnsDomain" :
  "DnsServerIPv4" : 0.0.0.0
  "DnsServerIPv6" : ::
  "GatewayIPv4" : 0.0.0.0
  "GatewayIPv6" : ::
  "IPv4Address" : 0.0.0.0
  "IPv6Address" : ::
  "Dot1xSupplAnonyIdent" :
  "Dot1xSupplEapMethod" : 0
  "Dot1xSupplEnable" : "false"
  "Dot1xSupplPasswdCiper" :
  "Dot1xSupplUsername" :
}
```

Example 2: Delete provision information of manual AP.

JSON Request

DELETE /api/v1/AP/PrvsOfManualAP?index=ApName=ap1;

JSON Response

204 No Content

AP/PrvsOfManualAPACIPv4

This table contains provision information of manual AP of IPv4 address.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ACIPv4	Specify an AC by its IPv4 address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.

Examples

Example 1: Get provision information of manual AP of IPv4 address.

JSON Request

GET /api/v1/AP/PrvsOfManualAPACIPv4

JSON Response

200 OK

```
{
  "ApName" : "ap1"
  "ACIPv4" : 3.3.3.20
}
```

Example 2: Delete provision information of manual AP of IPv4 address.

JSON Request

DELETE /api/v1/AP/PrvsOfManualAPACIPv4?index=ApName=ap1;

JSON Response

204 No Content

AP/PrvsOfManualAPACIPv6

This table contains provision information of manual AP of IPv6 address.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ACIPv6	Specify an AC by its IPv6 address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1. This column is available when the SrcAny column is false.

Examples

Example 1: Get provision information of manual AP of IPv6 address.

JSON Request

GET /api/v1/AP/PrvsOfManualAPACIPv6

JSON Response

200 OK

```
{  
  "ApName" : "ap1"  
  "ACIPv6" : ::  
}
```

Example 2: Delete provision information of manual AP of IPv6 address.

JSON Request

DELETE /api/v1/AP/PrvsOfManualAPACIPv6?index=ApName=ap1;

JSON Response

204 No Content

AP/APDB

This table contains AP model information.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
ModelName	AP model name	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
RadioNum	Radio's number of AP model	N/A	Unsigned short. Value range: 1 to 4.	N/A
DefaultRegionCode	Default region code of AP model.	N/A	Unsigned short.	Conform to ISO 3166 standard.
StartPoePort	Start PoE port	N/A	Unsigned char.	N/A
EndPoePort	End PoE port	N/A	Unsigned char.	N/A
ModelType	Whether to enable wt configuration	N/A	Enumeration: <ul style="list-style-type: none">1—normal2—wt3—wtu	When the value is 3, some command can not be configured.

Examples

Example 1: Get AP model information.

JSON Request

GET /api/v1/AP/APDB

JSON Response

200 OK

```
{
  "ModelName" : "UAP200
  "RadioNum" : 2
  "DefaultRegionCode" : 156
  "StartPoePort" : 0
  "EndPoePort" : 0
  "ModelType" : 1
}
```

AP/APDBVersion

This table contains apdb version of AP model.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
ModelName	AP model name	Index	String, uppercase. Length: 1 to 63 characters.	Refer to APDB/ModelName
HardwareVersion	The version of Hardware.	Index	Enumeration: <ul style="list-style-type: none">• 1—Ver.A• 2—Ver.B• 3—Ver.C• 4—Ver.D• 5—Ver.E• 6—Ver.F	N/A
SoftwareVersion	The version of Software.	N/A	String Length:1 to 31.	N/A

Examples

Example 1: Get apdb version of AP model.

JSON Request

GET /api/v1/AP/APDBVersion

JSON Response

200 OK

```
{  
  "ModelName" : "UAP200"  
  "HardwareVersion" : 1  
  "SoftwareVersion" : A7164  
}
```

AP/RadioDB

This table contains radio information of AP model.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
ModelName	AP model name	Index	String, uppercase. Length: 1 to 63	N/A

			characters.	
RadioID	Radio ID	Index	Unsigned short. Value range: 1 to 31.	N/A
DefaultRadioMode	Default radio mode	N/A	Enumeration: <ul style="list-style-type: none"> 1—802.11b 2—802.11a 3—802.11g 4—802.11n(2.4GHz) 5—802.11n(5GHz) 6—802.11ac(2.4GHz) 7—802.11ac(5GHz) 	N/A
SupportDot11B	Whether a radio supports 802.11b radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11A	Whether a radio supports 802.11a radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11G	Whether a radio supports 802.11g radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11GN	Whether a radio supports 802.11n(2.4GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11AN	Whether a radio supports 802.11n(5GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11GAC	Whether a radio supports 802.11ac(2.4GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11AC	Whether a radio supports 802.11ac(5GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
Spectrum	Supported radio spectrum	N/A	Enumeration: <ul style="list-style-type: none"> 1—Support both 5GHz and 2.4GHz 2—Support 5GHz only 3—Support 	N/A

			2.4GHz only	
DefaultAntennaType	Default antenna type of radio.	N/A	String, case-insensitive. Length: 1 to 80 characters.	N/A
Aifsn	ArbitrationInter Frame Spacing Number	N/A	Unsigned integer. Value range is 1 to 15, and is restricted by chipset.	N/A
Ecwmin	Exponent form of CWmin	N/A	Unsigned integer. Value range is 0 to 10, and is restricted by chipset.	N/A
Ecwmax	Exponent form of CWmax	N/A	Unsigned integer. Value range is 1 to 10, and is restricted by chipset.	N/A
TxOpLimit	Transmission opportunity limit	N/A	Unsigned integer. Value range is 0 to 32767 and is restricted by chipset. Unit is millisecond.	N/A
SupportBandwidth	Supported channel bandwidth	N/A	Enumeration: <ul style="list-style-type: none"> • 1—20M • 2—40M • 3—80M • 4—160M • 5—80M + 80M • 17—5M • 18—10M 	N/A
SupportMCS	Supported MCS	N/A	Unsigned short. Value range: 0 to 76.	N/A
SupportVHTMCS	Supported VHT-MCS	N/A	Unsigned short. Value range: 1 to 8.	N/A
ShortGI20M	Supported short GI for 20MHz	N/A	Boolean: <ul style="list-style-type: none"> • true—Support. • false—Not support. 	N/A
ShortGI40M	Supported short GI for 40MHz	N/A	Boolean: <ul style="list-style-type: none"> • true—Support. • false—Not support. 	N/A
ShortGI80M	Supported short GI for 80MHz	N/A	Boolean: <ul style="list-style-type: none"> • true—Support. • false—Not support. 	N/A
ShortGI160M	Supported short GI for 160MHz	N/A	Boolean: <ul style="list-style-type: none"> • true—Support. • false—Not support. 	N/A

SUBeamformer	Supported SU-Beamform er	N/A	Boolean: <ul style="list-style-type: none"> • true—Support. • false—Not support. 	N/A
MUBeamformer	Supported MU-Beamform er	N/A	Boolean: <ul style="list-style-type: none"> • true—Support. • false—Not support. 	N/A
Ldpc	Supported ldpc	N/A	Boolean: <ul style="list-style-type: none"> • true—Support. • false—Not support. 	N/A
TxStbc	Supported TxStbc	N/A	Boolean: <ul style="list-style-type: none"> • true—Support. • false—Not support. 	N/A
RxStbc	Supported RxStbc	N/A	Boolean: <ul style="list-style-type: none"> • true—Support. • false—Not support. 	N/A
VHTLdpc	Supported VHT ldpc	N/A	Boolean: <ul style="list-style-type: none"> • true—Support. • false—Not support. 	N/A
VHTTxStbc	Supported VHT TxStbc	N/A	Boolean: <ul style="list-style-type: none"> • true—Support. • false—Not support. 	N/A
VHTRxStbc	Supported VHT RxStbc	N/A	Boolean: <ul style="list-style-type: none"> • true—Support. • false—Not support. 	N/A

Examples

Example 1: Get radio information of AP model.

JSON Request

GET /api/v1/AP/RadioDB

JSON Response

200 OK

```
{
  "ModelName" : "UAP200"
  "RadioID" : 1,
  "DefaultRadioMode" : 7
  "SupportDot11B" : "false"
```

```

"SupportDot11A" : "true"
"SupportDot11G" : "false"
"SupportDot11GN" : "false"
"SupportDot11AN" : "true"
"SupportDot11GAC" : "false"
"SupportDot11AC" : "true"
"Spectrum" : 2
"DefaultAntennaType" : "external"
"Aifsn" : 15
"Ecwmin" : 10
"Ecwmax" : 10
"TxOpLimit" : 32767
"SupportBandwidth" : 0
"SupportMCS" : 1
"SupportVHTMC" : 1
"ShortGI20M" : "true"
"ShortGI40M" : "true"
"ShortGI80M" : "true"
"SUBeamformer" : "false"
"MUBeamformer" : "false"
"Ldpc" : "false"
"TxStbc" : "false"
"RxStbc" : "false"
"VHTLdpc" : "true"
"VHTTxStbc" : "true"
"VHTRxStbc" : "true"
}

```

AP/RegionDB

This table contains valid region list of AP models.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
ModelName	AP model name	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
RegionCode	Region code of AP.	N/A	Unsigned short.	Conform to ISO 3166 standart.
SupportedRadioList	Supported radio list of current region.	N/A	Number string. It is a comma-separated list of supported radio IDs. The string must not end with a comma or hyphen, or include any whitespace	Example: 1,2

Examples

Example 1: Get valid region list of AP models.

JSON Request

GET /api/v1/AP/RegionDB

JSON Response

200 OK

```
{
  "ModelName" : "WTU420"
  "RegionCode" : 156,840
  "SupportedRadioList" : 1,2
}
```

AP/AntennaDB

This table contains valid antenna types of AP models.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
ModelName	AP model name	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
RadioID	Radio ID	Index	Unsigned short. Value range: 1 to 31.	N/A
AntennaType	Antenna type of radio	Index	String, case-insensitive. Length: 1 to 80 characters.	N/A

Examples

Example 1: Get valid antenna types of AP models.

JSON Request

GET /api/v1/AP/AntennaDB

JSON Response

200 OK

```
{  
  "modelName" : "WA2620"  
  "RadioID" : 1  
  "AntennaType" : "external"  
}
```

AP/ChannelTypeMap

This table contains channel type of radios.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
RadioMode	Radio mode	Index	Enumeration: <ul style="list-style-type: none">1—802.11b2—802.11a3—802.11g4—802.11n(2.4GHz)5—802.11n(5GHz)6—802.11ac(2.4GHz)7—802.11ac(5GHz)	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Bandwidth	Radio bandwidth	Index	Enumeration: <ul style="list-style-type: none"> • 1—20M • 2—40M • 3—80M • 4—160M • 5—80M + 80M • 17—5M • 18—10M 	N/A
Channel	Legal channel number.	Index	Unsigned short.	Conform to IEEE 802.11 protocol , ISO 3166 standart and the related national and regional laws and regulations.

Column name	Column description	Column type	Data type and restrictions	Remarks
ChannelType	Type of spectrum, bandwidth and channel range.	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> 1—802.11b 2—802.11g 3—802.11n(2.4GHz) in 20M mode 4—802.11n(2.4GHz) in 40M mode 5—802.11gac(2.4GHz) in 20M mode 6—802.11gac(2.4GHz) in 40M mode 7—802.11a(36 to 64) 8—802.11a(100 to 144) 9—802.11a(149 to 165) 10—802.11n(5GHz) (36 to 64) in 20M mode 11—802.11n(5GHz) (100 to 144) in 20M mode 12—802.11n(5GHz) (149 to 165) in 20M mode 13—802.11n(5GHz) (36 to 64) in 40M mode 14—802.11n(5GHz) (100 to 144) in 40M mode 15—802.11n(5GHz) (149 to 165) in 40M mode 16—802.11ac (36 to 64) in 20M mode 17—802. 11ac (100 to 144) in 20M mode 18—802. 11ac (149 to 165) in 20M mode 19—802.11ac (36 to 64) in 40M mode 20—802. 11ac (100 to 144) in 40M mode 21—802. 11ac (149 to 165) in 40M mode 22—802.11ac (36 to 64) in 80M mode 23—802. 11ac (100 to 144) in 80M mode 24—802. 11ac (149 to 165) in 80M mode 25—802.11ac (36 to 64) in 160M mode 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 26—802. 11ac (100 to 144) in 160M mode 27—802. 11ac (149 to 165) in 160M mode 28—802. 11ac (36 to 64) in 8080M mode 29—802. 11ac (100 to 144) in 8080M mode 30—802. 11ac (149 to 165) in 8080M mode 	

Examples

Example 1: Get channel type of radios.

JSON Request

GET /api/v1/AP/ChannelTypeMap

JSON Response

200 OK

```
{
  "RadioMode" : 1
  "Bandwidth" : 1
  "Channel" : 1
  "ChannelType" : 1
}
```

AP/PowerIndex

This table contains valid power index of AP models.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
ModelName	AP model name	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
RadioID	Radio ID	Index	Unsigned short. Value range: 1 to 31.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
RadioMode	Radio mode	Index	Enumeration: <ul style="list-style-type: none"> 1—802.11b 2—802.11a 3—802.11g 4—802.11n(2.4GHz) 5—802.11n(5GHz) 6—802.11ac(2.4GHz) 7—802.11ac(5GHz) 	N/A
AntennaType	Antenna type of radio.	Index	String, case-insensitive. Length: 1 to 80 characters.	N/A
RegionCode	Region code of AP.	Index	Unsigned short.	Refer to AP/RegionDB/RegionCode.
ChannelType	Type of spectrum, bandwidth and channel range.	Index	Enumeration: <ul style="list-style-type: none"> 1—802.11b 2—802.11g 3—802.11n(2.4GHz) in 20M mode 4—802.11n(2.4GHz) in 40M mode 5—802.11gac in 20M mode 6—802.11gac in 40M mode 7—802.11a(36 to 64) 8—802.11a(100 to 144) 9—802.11a(149 to 165) 10—802.11n(5GHz) (36 to 64) in 20M mode 11—802.11n(5GHz) (100 to 144) in 20M mode 12—802.11n(5GHz) (149 to 165) in 20M mode 13—802.11n(5GHz) (36 to 64) in 40M mode 14—802.11n(5GHz) (100 to 144) in 40M mode 15—802.11n(5GHz) (149 to 165) in 40M 	Refer to AP/ChannelTypeMap/ChannelType.

Column name	Column description	Column type	Data type and restrictions	Remarks
			mode <ul style="list-style-type: none"> 16—802.11ac (36 to 64) in 20M mode 17—802.11ac (100 to 144) in 20M mode 18—802.11ac (149 to 165) in 20M mode 19—802.11ac (36 to 64) in 40M mode 20—802.11ac (100 to 144) in 40M mode 21—802.11ac (149 to 165) in 40M mode 22—802.11ac (36 to 64) in 80M mode 23—802.11ac (100 to 144) in 80M mode 24—802.11ac (149 to 165) in 80M mode 25—802.11ac (36 to 64) in 160M mode 26—802.11ac (100 to 144) in 160M mode 27—802.11ac (149 to 165) in 160M mode 28—802.11ac (36 to 64) in 8080M mode 29—802.11ac (100 to 144) in 8080M mode 30—802.11ac (149 to 165) in 8080M mode 	
PowerIndex	The index value of power table	N/A	Enumeration: <ul style="list-style-type: none"> 1—System script 2—Userscript 	N/A
PowerSubIndex	The sub-index value of power table	N/A	Unsigned short.	N/A

Examples

Example 1: Get valid power index of AP models.

JSON Request

GET /api/v1/AP/PowerIndex

JSON Response

200 OK

```
{
  "ModelName" : "UAP200"
  "RadioID" : 1
}
```

```
"RadioMode" : 2
"AntennaType" : "custom"
"RegionCode" : 20
"ChannelType" : 7
"PowerIndex" : 1
"PowerSubIndex" : 344
}
```

AP/ChannelDB

This table contains valid channel list of AP models.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
PowerIndex	The index value of power table	Index	Enumeration: <ul style="list-style-type: none">1—System script2—Userscript	Refer to AP/PowerIndex/PowerIndex

Column name	Column description	Column type	Data type and restrictions	Remarks
ChannelType	Type of spectrum, bandwidth and channel range.	Index	<p>Enumeration:</p> <ul style="list-style-type: none"> 1—802.11b 2—802.11g 3—802.11n(2.4GHz) in 20M mode 4—802.11n(2.4GHz) in 40M mode 5—802.11gac in 20M mode 6—802.11gac in 40M mode 7—802.11a(36 to 64) 8—802.11a(100 to 144) 9—802.11a(149 to 165) 10—802.11n(5GHz) (36 to 64) in 20M mode 11—802.11n(5GHz) (100 to 144) in 20M mode 12—802.11n(5GHz) (149 to 165) in 20M mode 13—802.11n(5GHz) (36 to 64) in 40M mode 14—802.11n(5GHz) (100 to 144) in 40M mode 15—802.11n(5GHz) (149 to 165) in 40M mode 16—802.11ac (36 to 64) in 20M mode 17—802. 11ac (100 to 144) in 20M mode 18—802. 11ac (149 to 165) in 20M mode 19—802.11ac (36 to 64) in 40M mode 20—802. 11ac (100 to 144) in 40M mode 21—802. 11ac (149 to 165) in 40M mode 22—802.11ac (36 to 64) in 80M mode 23—802. 11ac (100 to 144) in 80M mode 24—802. 11ac (149 to 165) in 80M mode 25—802.11ac (36 to 64) in 160M mode 	Refer to AP/ChannelTypeMap/ChannelType.

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 26—802. 11ac (100 to 144) in 160M mode 27—802. 11ac (149 to 165) in 160M mode 28—802. 11ac (36 to 64) in 8080M mode 29—802. 11ac (100 to 144) in 8080M mode 30—802. 11ac (149 to 165) in 8080M mode 	
PowerSubIndex	The sub-index value of power table	Index	Unsigned short.	Refer to AP/PowerIndex/PowerSubIndex
SupportedChannelList	Supported channel list of current model.	N/A	Number string. It is a comma-separated list of supported channels. The string must not end with a comma or hyphen, or include any whitespace	Example: 1,2,3

Examples

Example 1: Get valid channel list of AP models.

JSON Request

GET /api/v1/AP/ChannelDB

JSON Response

200 OK

```
{
  "PowerIndex" : 1
  "ChannelType" : 1
  "PowerSubIndex" : 1
  "SupportedChannelList" : 1
}
```

AP/PowerDB

This table contains valid power values of AP models.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
PowerIndex	The index value of power table	Index	Enumeration: <ul style="list-style-type: none">• 1—System script• 2—User script	Refer to AP/PowerIndex/PowerIndex

Column name	Column description	Column type	Data type and restrictions	Remarks
ChannelType	Type of spectrum, bandwidth and channel range.	Index	<p>Enumeration:</p> <ul style="list-style-type: none"> 1—802.11b 2—802.11g 3—802.11n(2.4GHz) in 20M mode 4—802.11n(2.4GHz) in 40M mode 5—802.11gac in 20M mode 6—802.11gac in 40M mode 7—802.11a(36 to 64) 8—802.11a(100 to 144) 9—802.11a(149 to 165) 10—802.11n(5GHz) (36 to 64) in 20M mode 11—802.11n(5GHz) (100 to 144) in 20M mode 12—802.11n(5GHz) (149 to 165) in 20M mode 13—802.11n(5GHz) (36 to 64) in 40M mode 14—802.11n(5GHz) (100 to 144) in 40M mode 15—802.11n(5GHz) (149 to 165) in 40M mode 16—802.11ac (36 to 64) in 20M mode 17—802. 11ac (100 to 144) in 20M mode 18—802. 11ac (149 to 165) in 20M mode 19—802.11ac (36 to 64) in 40M mode 20—802. 11ac (100 to 144) in 40M mode 21—802. 11ac (149 to 165) in 40M mode 22—802.11ac (36 to 64) in 80M mode 23—802. 11ac (100 to 144) in 80M mode 24—802. 11ac (149 to 165) in 80M mode 25—802.11ac (36 to 64) in 160M mode 	Refer to AP/ChannelTypeMap/ChannelType.

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 26—802. 11ac (100 to 144) in 160M mode 27—802. 11ac (149 to 165) in 160M mode 28—802. 11ac (36 to 64) in 8080M mode 29—802. 11ac (100 to 144) in 8080M mode 30—802. 11ac (149 to 165) in 8080M mode 	
PowerSubIndex	The sub-index value of power table	Index	Unsigned short.	Refer to AP/PowerIndex/PowerSubIndex
Channel	Legal channel number.	Index	Unsigned short.	Refer to AP/ChannelDB/SupportedChannelList.
ValidMaxPower	Legal maximum power. The upper limit of configurable maximum power.	N/A	Unsigned short. The value range is related to AP model, radio mode, antenna type, channel number and region code.	Conform to IEEE 802.11 protocol , ISO 3166 standard and the related national and regional laws and regulations.

Examples

Example 1: Get valid power values of AP models.

JSON Request

GET /api/v1/AP/PowerDB

JSON Response

200 OK

```
{
  "PowerIndex" : 1
  "ChannelType" : 1
  "PowerSubIndex" : 1
  "Channel" : 1
  "ValidMaxPower" : 22
}
```

AP/ChannelReport

This table contains the fields which carry the channel reports of the Ap.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
RadioID	Radio ID	Index	Unsigned short. Value range: 1 to 31.	N/A
Channel	Legal channel number.	Index	Unsigned short.	Refer to AP/ChannelDB/SupportedChannelList.
NeighborCount	Neighbour number of the legal channels.	N/A	Unsigned integer.	N/A
Load	Percentage of the time for transmitting all packets on the channel to the total time for scanning the channel.	N/A	Unsigned integer. Value range: 0 to 100. Unit: %.	N/A
Utilization	Percentage of the time for transmitting packets of the BSS to the total time for scanning the channel.	N/A	Unsigned integer. Value range: 0 to 100. Unit: %.	N/A
Interference	Percentage of the time for transmitting packets of other BSSs to the total time for scanning the channel.	N/A	Unsigned integer. Value range: 0 to 100. Unit: %.	N/A
PacketErr	Packet error rate of the legal channel.	N/A	Unsigned integer. Value range: 0 to 100. Unit: %.	N/A
Retry	Retransmission rate of the legal channel.	N/A	Unsigned integer. Value range: 0 to 100. Unit: %.	N/A
RadarStatus	Radar detection status at the legal channel.	N/A	Boolean: <ul style="list-style-type: none"> true—Radar is detected. false—Radar is not detected. 	N/A

Examples

Example 1: Get the files which carry the channel reports of the Ap.

JSON Request

GET /api/v1/AP/ChannelReport

JSON Response

200 OK

```
{
  "ApName" : "ap1"
  "RadiolD" : 1
  "Channel" : 145
  "NeighborCount" :
  "Load" :
  "Utilization" :
  "Interference" :
  "PacketErr" :
  "Retry" :
  "RadarStatus" :
}
```

AP/NeighborAPReport

This table contains the fields which carry the information of the Ap's current neighbors.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
RadiolD	Radio ID	Index	Unsigned short. Value range: 1 to 31.	N/A
Channel	Legal channel number.	Index	Unsigned short.	Refer to AP/ChannelDB/SupportedChannelList.
NeighborCount	Neighbour number of the legal channels.	N/A	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Load	Percentage of the time for transmitting all packets on the channel to the total time for scanning the channel.	N/A	Unsigned integer. Value range: 0 to 100. Unit: %.	N/A
Utilization	Percentage of the time for transmitting packets of the BSS to the total time for scanning the channel.	N/A	Unsigned integer. Value range: 0 to 100. Unit: %.	N/A
Interference	Percentage of the time for transmitting packets of other BSSs to the total time for scanning the channel.	N/A	Unsigned integer. Value range: 0 to 100. Unit: %.	N/A
PacketErr	Packet error rate of the legal channel.	N/A	Unsigned integer. Value range: 0 to 100. Unit: %.	N/A
Retry	Retransmission rate of the legal channel.	N/A	Unsigned integer. Value range: 0 to 100. Unit: %.	N/A
RadarStatus	Radar detection status at the legal channel.	N/A	Boolean: <ul style="list-style-type: none"> true—Radar is detected. false—Radar is not detected. 	N/A

Examples

Example 1: Get the fields which carry the information of the Ap's current neighbors.

JSON Request

GET /api/v1/AP/NeighborAPReport

JSON Response

200 OK

```
{
  "ApName" : "ap1"
  "RadioID" : 1
```

```

"MacAddress" :
"Channel" :
"Interference" :
"SignalStrength" :
"NeighborType" :
}

```

AP/EdcaRadio

This table contains radio EDCA information.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name.	Index	String, lowercase. Length:1to 64 characters.	If this column contains uppercase character, it will be converted to lowercase automatically.
RadioID	Radio identifier.	Index	Unsigned char. Value range: 1 to 31.	N/A
AccessCategory	A label for the common set of enhanced distributed channel access parameters that are used by a WMM STA to contend for the channel in order to transmit MSDUs with certain priorities..	Index	Enumeration: <ul style="list-style-type: none"> 0—BK. 1—BE. 2—VI. 3—VO. 	N/A
Noack	Whether acknowledgement is required.	N/A	Boolean: <ul style="list-style-type: none"> true—Not required. false—Required. 	N/A
CfgAifsn	Arbitration Inter Frame Spacing Number.	N/A	The value range conforms to “AP/RadioIDB/Aifsn” column.	N/A
CfgEcwmin	Exponent form of CWmin.	N/A	The value range conforms to “AP/RadioIDB/Ecwmin” column.	N/A
CfgEcwmax	Exponent form of CWmax.	N/A	The value range conforms to “AP/RadioIDB/Ecwmax” column.	N/A
CfgTxOpLimit	Transmission	N/A	The value range conforms	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	opportunity limit.		to "AP/RadioID/TxOpLimit" column.	

Examples

Example 1: Get radio EDCA information.

JSON Request

GET /api/v1/AP/EdcaRadio

JSON Response

200 OK

```
{
  "ApName" : "ap1"
  "RadioID" : 1
  "AccessCategory" : 0
  "Noack" : "false"
  "CfgAifsn" : 3
  "CfgEcwmin" : 4
  "CfgEcwmax" : 6
  "CfgTxOpLimit" : 0
}
```

Example 2: Delete radio EDCA information.

JSON Request

DELETE /api/v1/AP/EdcaRadio?index=ApName=ap1;RadioID=1;AccessCategory=0;

JSON Response

204 No Content

AP/RadioWmm

This table contains radio WMM information.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	If this column contains uppercase character, it will be converted to lowercase automatically.
RadiolD	Radio identifier.	Index	Unsigned char. Value range: 1 to 31.	N/A
Status	WMM status of radio.	N/A	Boolean: <ul style="list-style-type: none">true—Enable.false—Disable.	N/A

Examples

Example 1: Get radio WMM information.

JSON Request

GET /api/v1/AP/RadioWmm

JSON Response

200 OK

```
{
  "ApName" : "ap1"
  "RadiolD" : 1
  "Status" : "true"
}
```

Example 2: Delete radio WMM information.

JSON Request

DELETE /api/v1/AP/RadioWmm?index=ApName=ap1;RadiolD=1;

JSON Response

204 No Content

AP/APGroup

This table contains information of AP groups.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
AP group name	Number of rules in the AP group	N/A	Unsigned short. Value range: 0 to 5.	N/A
ModelNum	Number of models in the AP group	N/A	Unsigned short. Value range: 0 to 65535.	N/A
APNum	Number of APs in the AP group	N/A	Unsigned short. Value range: 0 to 65535.	N/A
RegionCode	Region code of AP group.	N/A	Unsigned short.	Conform to ISO 3166 standard.
RegionLock	Whether the region code of the AP group is locked.	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
Priority	AP connection priority	N/A	Unsigned short. Value range: 0 to 7.	N/A
Preempt	Whether the AP in this group will be forced to switch the backup tunnel to active by priority.	N/A	Boolean: <ul style="list-style-type: none"> true: Switch false: Not switch. 	N/A
EchoInterval	The transmit interval of tunnel echo messages.	N/A	Unsigned short. Value range: 0, 5 to 255. Unit: seconds	N/A
EchoCount	The allowed maximum number of echo messages which are not received. If the count is reached, the tunnel will be down.	N/A	Unsigned short. Value range: 1 to 20.	N/A
RetransInterval	The interval to retransmit a request message.	N/A	Unsigned short. Value range: 1 to 30. Unit: seconds	N/A
RetransCount	The allowed maximum number of retransmission attempts. If the count is reached, the tunnel will be down.	N/A	Unsigned short. Value range: 1 to 20. Unit: seconds	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
StatInterval	The interval of AP sending the statistics informations to AC.	N/A	Unsigned short. Value range: 0 to 240. Unit: seconds	N/A
FirmwareUpgrade	Whether the AC will upgrade AP's firmware automatically if the software is mismatch.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable false—Disable 	N/A
BackupACIPv4	The IPv4 backup AC address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
BackupACIPv6	The IPv6 backup AC address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.
LocationName	Which location the AP group belongs to.	N/A	String, lowercase. Length: 1 to 31 characters.	N/A
Description	The description of APGroup.	N/A	String, Length: 1 to 64 cahacters	N/A
TunnelEncryption	Whether to enable tunnel encryption.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable false—Disable 	N/A
ProvisionAutoUpgrade	Whether to enable provision auto-upgrade	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
ProvisionAutoRecover	Whether to enable provision auto-recover	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A

Examples

Example 1: Get information of AP groups.

JSON Request

GET /api/v1/AP/APGroup

JSON Response

200 OK

```
{
  "Name" : "default-group"
  "RuleNum" : 0
  "ModelNum" : 0
  "APNum" : 1
  "RegionCode" : 156
```

```

"RegionLock" : "false"
"Priority" : 4
"Preempt" : "false"
"EchoInterval" : 10
"EchoCount" : 3
"RetransInterval" : 5
"RetransCount" : 3
"StatisInterval" : 50
"FirmwareUpgrade" : "true"
"BackupACIPv4" : 0.0.0.0
"BackupACIPv6" : ::
"LocationName" : "default-location"
"Description" :
"TunnelEncryption" : "false"
"ProvisionAutoUpgrade" : "false"
"ProvisionAutoRecover" : "false"
}

```

Example 2: Delete information of AP groups.

JSON Request

```
DELETE /api/v1/AP/APGroup?index=Name=default-group
```

JSON Response

204 No Content

AP/APGroupMACRule

This table contains information of AP groups' rules of MAC address.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
MacAddress	AP MAC address	Index	Six groups of two hexadecimal digits, hyphen-separated.	Example: 00-0c-af-e3-5d-c0.

Examples

Example 1: Get information of AP groups' rules of MAC address.

JSON Request

GET /api/v1/AP/APGroupMACRule

JSON Response

200 OK

```
{  
  "GroupName" : "default-group"  
  "MacAddress" :  
}
```

Example 2: Delete information of AP groups' rules of MAC address.

JSON Request

DELETE /api/v1/AP/APGroupMACRule?index=GroupName=default-group;MacAddress=;

JSON Response

204 No Content

AP/APGroupSerialIDRule

This table contains information of AP groups' rules of serial ID.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
SerialID	AP serial ID	Index	String, uppercase. Length: 1 to 127 characters.	N/A

Examples

Example 1: Get information of AP groups' rules of serial ID.

JSON Request

GET /api/v1/AP/APGroupSerialIDRule

JSON Response

200 OK

```
{  
  "GroupName" : "default-group"  
  "SerialID" :  
}
```

Example 2: Delete information of AP groups' rules of serial ID.

JSON Request

DELETE /api/v1/AP/APGroupSerialIDRule?index=GroupName=default-group;SerialID=;

JSON Response

204 No Content

AP/APGroupNameRule

This table contains information of AP groups' rules of AP name.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
SerialID	AP serial ID	Index	String, uppercase. Length: 1 to 127 characters.	N/A

Examples

Example 1: Get information of AP groups' rules of AP name.

JSON Request

GET /api/v1/AP/APGroupNameRule

JSON Response

200 OK

```
{
```

```
"GroupName" : "default-group"
"APName" : "ap1"
}
```

Example 2: Delete information of AP groups' rules of AP name.

JSON Request

```
DELETE /api/v1/AP/APGroupNameRule?index=GroupName=default-group;APName=ap1;
```

JSON Response

204 No Content

AP/APGroupIPv4Rule

This table contains information of AP groups' rules of IPv4 address range.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
IPv4Addr	IPv4 address of AP.	Index	String, dotted decimal notation.	Example: 1.1.1.1.
IPv4Wildcard	Wildcard mask for the IPv4 address of AP.	Index	String, dotted decimal notation.	Example: 255.255.255.0.

Examples

Example 1: Get information of AP groups' rules of IPv4 address range.

JSON Request

```
GET /api/v1/AP/APGroupIPv4Rule
```

JSON Response

200 OK

```
{
  "GroupName" : "default-group"
  "IPv4Addr" : 3.3.3.20
  "IPv4Wildcard" : 255.255.255.0
}
```

```
}
```

Example 2: Delete information of AP groups' rules of IPv4 address range.

JSON Request

```
DELETE
/api/v1/AP/APGroupIPv4Rule?index=GroupName=default-group;IPv4Addr=3.3.3.20;IPv4Wildcard=255.255.255.0;
```

JSON Response

204 No Content

AP/APGroupIPv6Rule

This table contains information of AP groups' rules of IPv6 address range.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
IPv6Addr	Source IPv6 address.	Index	Hexadecimal string, colon-separated.	Example: 1:1::1:1. This column is available when the SrcAny column is false.
IPv6Wildcard	Length of the source IPv6 address prefix.	Index	Unsigned integer. Value range: 1 to 128.	This column is available when the SrcAny column is false.

Examples

Example 1: Get information of AP groups' rules of IPv6 address range.

JSON Request

```
GET /api/v1/AP/APGroupIPv6Rule
```

JSON Response

```
200 OK
{
  "GroupName" : "default-group"
  "IPv6Addr" : ::
```

```
"IPv6Wildcard" :  
}
```

Example 2: Delete information of AP groups' rules of IPv6 address range.

JSON Request

DELETE

/api/v1/AP/APGroupIPv6Rule?index=GroupName=default-group;IPv6Addr=::;IPv6Wildcard=;

JSON Response

204 No Content

AP/APGroupModel

This table contains information of AP group models.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ModelName	AP model name	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
RadioNum	Number of the radio	N/A	Unsigned short. Value range: 1 to 4.	N/A

Examples

Example 1: Get information of AP group models.

JSON Request

GET /api/v1/AP/APGroupModel

JSON Response

200 OK

```
{  
  "GroupName" : "default-group"  
  "ModelName" : "WA2620i-AGN"  
  "RadioNum" : 2  
}
```

}

Example 2: Delete information of AP group models.

JSON Request

DELETE

/api/v1/AP/APGroupModel?index=GroupName=default-group;ModelName=WA2620i-AGN;

JSON Response

204 No Content

AP/APGroupRadio

This table contains information of AP group radios.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ModelName	AP model name	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
RadioID	Radio ID	Index	Unsigned short. Value range: 1 to 31.	N/A
Mode	Radio mode	N/A	Enumeration: <ul style="list-style-type: none">1—802.11b2—802.11a3—802.11g4—802.11n(2.4GHz)5—802.11n(5GHz)6—802.11ac(2.4GHz)7—802.11ac(5GHz)	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
SupportDot11B	Whether a radio supports 802.11b radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11A	Whether a radio supports 802.11a radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11G	Whether a radio supports 802.11g radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11GN	Whether a radio supports 802.11n(2.4GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11AN	Whether a radio supports 802.11n(5GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
SupportDot11AC	Whether a radio supports 802.11ac(5GHz) radio mode	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A
Bandwidth	Radio bandwidth	N/A	Enumeration: <ul style="list-style-type: none"> 1—20M 2—40M 3—80M 4—160M 5—80M + 80M 17—5M 18—10M 	N/A
Spectrum	Supported radio spectrum	N/A	Enumeration: <ul style="list-style-type: none"> 1—Support both 5GHz and 2.4GHz 2—Support 5GHz only 3—Support 2.4GHz only 	N/A
Status	Radio status	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable 1—Enable 2—Inherit 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
RateMulticast	Multicast rate	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps 13—auto <p>The value range conforms to "AP/RadioOfManualAP/Cfg RateMandatory" column. If this column is not configured, the multicast rate will be calculated automatically.</p>	N/A
RateMandatory	Mandatory rate	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps <p>Default value:</p> <p>A. 1, 2Mbps(802.11b).</p> <p>B. 6, 12, 24Mbps(802.11a/802.11an)</p> <p>C. 1, 2, 5.5, 11Mbps(802.11g/802.11gn)</p>	The value can have multi-selections.

Column name	Column description	Column type	Data type and restrictions	Remarks
RateSupported	Supported rate	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps <p>Default value:</p> <p>A. 5.5, 11Mbps(802.11b)</p> <p>B. 9, 18, 24, 36, 48, 54Mbps(802.11a/802.11an)</p> <p>C. 6, 9, 12, 18, 24, 36, 54Mbps(802.11g/802.11gn)</p>	The value can have multi-selections, exclude the one which multicast rate uses.
RateDisabled	Disabled rate	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> 1—1Mbps 2—2Mbps 3—5.5Mbps 4—6Mbps 5—9Mbps 6—11Mbps 7—12Mbps 8—18Mbps 9—24Mbps 10—36Mbps 11—48Mbps 12—54Mbps 	The value can have multi-selections, exclude the one which multicast rate uses.
Preamble	Preamble	N/A	<p>Boolean:</p> <ul style="list-style-type: none"> true—Short. false—Long. <p>The column is only for 2.4GHz radio mode.</p>	N/A
BeaconInterval	Beacon Interval time	N/A	<p>Unsigned short.</p> <p>The value range is 32~8191.</p> <p>Unit: TU. 1TU = 1024ms</p>	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
PowerLock	Lock the power	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Distance	The distance that Radio can cover	N/A	Unsigned short. The value range is 1~40. Unit: km(kilometre).	N/A
MaxRxDuration	Max Reveived frame duration time	N/A	Unsigned integer. The value range is 500~250000. Unit: ms.	N/A
FragmentThreshold	Fragment threshold	N/A	Unsigned short. The value range is 256~2346. And the value must be an even number. Unit: byte.	N/A
LongRetryThreshold	Long retry threshold	N/A	Unsigned short. The value range is 1~15. Unit: null.	N/A
ProtectionThreshold	Protection threshold	N/A	Unsigned short. The value range is 0~2346. Unit: byte.	N/A
ShortRetryThreshold	Short retry threshold	N/A	Unsigned short. The value range is 1~15. Unit: null.	N/A
CfgChannel	Configured channel number	N/A	<p>The value range conforms to AP/ChannelDB/Supported ChannelList” column.</p> <p>And 15 –auto lock、16-auto unlock.</p>	<p>When the value is 15, the radio automatically selects an optimal channel, and then locks the channel.</p> <p>When the AC detects any radar signals on its channel, it immediately selects another channel (even if the channel auto lock is true) and locks the new channel.</p>

Column name	Column description	Column type	Data type and restrictions	Remarks
CfgMaxPower	Configured maximum power	N/A	Unsigned short. Value range: 1 to "AP/PowerDB/ValidMaxPower". Unit: dBm	N/A

Examples

Example 1: Get information of AP group radios.

JSON Request

GET /api/v1/AP/APGroupRadio

JSON Response

200 OK

```
{
  "GroupName" : "default-group"
  "ModelName" : "WA2620i-AGN"
  "RadioID" : 1
  "Mode" : 5
  "SupportDot11B" : "false"
  "SupportDot11A" : "true"
  "SupportDot11G" : "false"
  "SupportDot11GN" : "false"
  "SupportDot11AN" : "true"
  "SupportDot11AC" : "false"
  "Bandwidth" : 2
  "Spectrum" : 2
  "Status" : 0
  "RateMulticast" : 13
  "RateMandatory" : 4,7,9
  "RateSupported" : 5,8,10,11,12
  "BeaconInterval" : 100
  "PowerLock" : 0
  "Distance" : 1
  "MaxRxDuration" : 2000
  "FragmentThreshold" : 2346
  "LongRetryThreshold" : 4
}
```

```

"ProtectionThreshold" : 2346
"ShortRetryThreshold" : 7
"CfgChannel" : 165
"CfgMaxPower" : 20
}

```

Example 2: Delete information of AP group radios.

JSON Request

DELETE

/api/v1/AP/APGroupRadio?index=GroupName=default-group;ModelName=WA2620i-AGN;RadioID=1;

JSON Response

204 No Content

AP/APGroupRadio11n

This table contains 802.11n information of AP group radios.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ModelName	AP model name	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
RadioID	Radio ID	Index	Unsigned short. Value range: 1 to 31.	N/A
MCSMulticast	The index for multicast MCS.	N/A	Unsigned short. Value range: 0 to 76, and 255. Default value is 255.	The MCSMulticast must be smaller than or equal to the MCSMandatory.
MCSMandatory	The maximum index for mandatory MCS.	N/A	Unsigned short. Value range: 0 to 76, and 255. Default value is 255.	The MCSMandatory must be smaller than or equal to the MCSSupported, and the MCSMandatory must be greater than or equal to the MCSMulticast.

Column name	Column description	Column type	Data type and restrictions	Remarks
MCSSupported	The maximum index for supported MCS.	N/A	Unsigned short. Value range: 0 to 76, and 255. Default value is 76.	The MCSSupported must be greater than or equal to the MCSMandatory.
Ampdu	A-mpdu function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Amsdu	A-msdu function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
ShortGI	Short GI function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Stbc	STBC function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Ldpc	LDPC function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Mimo	MIMO.	N/A	Enumeration: <ul style="list-style-type: none"> 1: 1X1 2: 2X2 3: 3X3 4: 4X4 	N/A
Greenap	Green ap function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
SmartAntenna	Smart antenna function	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
SmartAntennaPolicy	Smart antenna policy	N/A	Enumeration: <ul style="list-style-type: none"> 1: Auto 2: High-availability 3: High-throughput 	Effective only when SmartAntenna is enabled.
Protection	802.11n protection function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Client11nOnly	Client dot11n only function.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
BandwidthAutoswitch	Bandwidth autoswitch function	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. The column is only for 2.4GHz radio mode, and AP/APGroupRadio/Bandwidth must be 2.	N/A

Examples

Example 1: Get 802.11n information of AP group radios.

JSON Request

GET /api/v1/AP/APGroupRadio11n

JSON Response

200 OK

```
{
  "GroupName" : "default-group"
  "ModelName" : "WA2620i-AGN"
  "RadioID" : 1
  "Ampdu" : "true"
  "Amsdu" : "true"
  "ShortGI" : "true"
  "Stbc" : "true"
  "Ldpc" : "false"
  "SmartAntenna" : "true"
  "SmartAntennaPolicy" : 1
  "Client11nOnly" : "false"
}
```

Example 2: Delete 802.11n information of AP group radios.

JSON Request

DELETE

/api/v1/AP/APGroupRadio11n?index=GroupName=default-group;ModelName=WA2620i-AGN;RadioID=1;

JSON Response

204 No Content

AP/APGroupRadio11ac

This table contains 802.11ac information of AP group radios.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ModelName	AP model name	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
RadioID	Radio ID	Index	Unsigned short. Value range: 1 to 31.	N/A
VHTNSSMulticast	The NSS for multicast VHT-MCS.	N/A	Unsigned short. Value range: 0 to 8.	The VHTNSSMulticast must be smaller than or equal to the VHTNSSMandatory.
VHTMCSMulticast	The index for multicast VHT-MCS.	N/A	Unsigned short. Value range: 0 to 9, 255.	N/A
VHTNSSMandatory	The maximum NSS for mandatory VHT-MCS.	N/A	Unsigned short. Value range: 0 to 8.	The VHTNSSMandatory must be smaller than or equal to the VHTNSSSupported, and the VHTNSSMandatory must be greater than or equal to the VHTNSSMulticast.
VHTNSSSupported	The maximum NSS for supported VHT-MCS.	N/A	Unsigned short. Value range: 0 to 8.	The VHTNSSSupported must be greater than or equal to the VHTNSSMandatory.
Client11acOnly	Client dot11ac only function.	N/A	Boolean: <ul style="list-style-type: none">true—Enable.false—Disable.	N/A

Examples

Example 1: Get 802.11ac information of AP group radios.

JSON Request

GET /api/v1/AP/APGroupRadio11ac

JSON Response

200 OK

```
{
  "GroupName" : "default-group"
  "ModelName" : "WA2620i-AGN"
  "RadioID" : 1
  "Client11acOnly" : "false"
}
```

Example 2: Delete 802.11ac information of AP group radios.

JSON Request

DELETE

/api/v1/AP/APGroupRadio11ac?index=GroupName=default-group;ModelName=WA2620i-AGN;RadioID=1;

JSON Response

204 No Content

AP/APGroupPrvs

This table contains provision information of AP Group.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ACHostName	Specify an AC by its hostname.	N/A	String. Length: 1 to 253 characters.	N/A
ACIPv4	Specify an AC by its IPv4 address.	N/A	List of string, dotted decimal notation, Separated by comma.	Example: 1.1.1.1, 1.1.1.2.
ACIPv6	Specify an AC by its IPv6 address.	N/A	List of hexadecimal string, colon-separated, Separated by comma.	Example: 1:1::1:1,1:1::1:2.

Column name	Column description	Column type	Data type and restrictions	Remarks
DnsDomain	Specify the domain name suffix.	N/A	String. Length: 1 to 253.	N/A
DnsServerIPv4	Specify a DNS server by its IPv4 address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
DnsServerIPv6	Specify a DNS server by its IPv6 address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.

Examples

Example 1: Get provision information of AP Group.

JSON Request

GET /api/v1/AP/APGroupPrvs

JSON Response

200 OK

```
{
  "GroupName" : "default-group"
  "ACHostName" :
  "DnsDomain" :
  "DnsServerIPv4" : 0.0.0.0
  "DnsServerIPv6" : ::
}
```

Example 2: Delete provision information of AP Group.

JSON Request

DELETE

/api/v1/AP/APGroupPrvs?index=GroupName=default-group

JSON Response

204 No Content

AP/APGroupPrvsACIPv4

This table contains provision information of AP Group of IPv4 address.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name	Index	String, dotted decimal notation.	Example: 1.1.1.1.
ACIPv4	Specify an AC by its IPv4 address.	N/A	List of string, dotted decimal notation, Separated by comma.	Example: 1.1.1.1, 1.1.1.2.

Examples

Example 1: Get provision information of AP Group of IPv4 address.

JSON Request

GET /api/v1/AP/APGroupPrvsACIPv4

JSON Response

200 OK

```
{
  "GroupName" : "default-group"
  "ACIPv4" : 3.3.3.20
}
```

Example 2: Delete provision information of AP Group of IPv4 address.

JSON Request

DELETE

/api/v1/AP/APGroupPrvsACIPv4?index=GroupName=default-group

JSON Response

204 No Content

AP/APGroupPrvsACIPv6

This table contains provision information of AP group of IPv6 address.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ACIPv6	Specify an AC by its IPv6 address.	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1. This column is available when the SrcAny column is false.

Examples

Example 1: Get provision information of AP group of IPv6 address.

JSON Request

GET /api/v1/AP/APGroupPrvsACIPv6

JSON Response

200 OK

```
{  
  "GroupName" : "default-group"  
  "ACIPv6 " : ::  
}
```

Example 2: Delete provision information of AP group of IPv6 address.

JSON Request

DELETE

/api/v1/AP/APGroupPrvsACIPv6?index=GroupName=default-group

JSON Response

204 No Content

AP/APListOfGroup

This table contains the AP list of AP groups.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
ApName	AP name	Index	String, lowercase. Length: 1 to 64 characters.	N/A

Examples

Example 1: Get the AP list of AP groups.

JSON Request

GET /api/v1/AP/APListOfGroup

JSON Response

200 OK

```
{  
  "GroupName" : "default-group"  
  "ApName" : "ap1"  
}
```

AP/Location

This table contains the informations of locations.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
LocationName	Location name	Index	String, lowercase. Length: 1 to 31 characters.	N/A

Examples

Example 1: Get the informations of locations.

JSON Request

GET /api/v1/AP/Location

JSON Response

```

200 OK
{
  "LocationName" : "admin"
}

```

Example 2: Delete the informations of locations.

JSON Request

DELETE

/api/v1/AP/Location?index=LocationName=admin

JSON Response

204 No Content

AP/APAuthentication

This table contains the informations of AP authentication.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
Status	The status of AP authentication.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Method	The authentication method	N/A	Enumeration: <ul style="list-style-type: none"> 1—MAC address. 2—Serial ID. 	N/A
PermitUnauth	Whether the un-authenticated AP is allowed to join the AC.	N/A	Boolean: <ul style="list-style-type: none"> true—Allowed. false—Not allowed. 	N/A
AuthDomain	The ISP domain of remote AP authentication.	N/A	String, case-insensitive. Length: 1 to 24 characters.	N/A
AclNumber	The ACL number of local AP authentication.	N/A	Unsigned short. Value range: 200 to 299.	This column is unavailable when the AC uses an ACL name.
AclName	The ACL name of local AP authentication.	N/A	String, case-insensitive. Length: 1 to 63 characters.	This column is unavailable when the AC uses an ACL number. The ACL name should not be "all".

Examples

Example 1: Get the informations of AP authentication.

JSON Request

GET /api/v1/AP/APAuthentication

JSON Response

200 OK

```
{  
  "Status" : "false"  
  "Method" : 1  
  "PermitUnauth" : "true"  
  "AuthDomain" :  
  "AclNumber" : 429  
  "AclName" :  
}
```

AP/HistorySummary

This table contains information of history summary.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
Date	The date of the record,	Index	Format: YYYY-MM-DD. Value range: 1970-01-01 to 2100-12-31.	N/A
Time	The time of the record.	Index	Format: hh:mm. Value range: 00:00 to 23:59.	N/A
ManualApNum	Number of manual APs	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
Index	Number of running APs	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
OfflineApNum	Number of offline APs	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
UnhealthyApNum	Number of Unhealthy APs	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
ApGroupNum	Number of AP	N/A	Unsigned integer.	N/A

m	groups		Value range: 0 to 65535.	
LocationNum	Number of locations	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
NorthIfOutPkt	Packets count of northbound interface with outbound direction.	N/A	Unsigned integer. Value range: 0 to 4294967295.	N/A
NorthIfOutByte	Throughput statistics of northbound interface with outbound direction.	N/A	Unsigned integer. Value range: 0 to 4294967295.	N/A
NorthIfInPkt	Packets count of northbound interface with inbound direction.	N/A	Unsigned integer. Value range: 0 to 4294967295.	N/A
NorthIfInByte	Throughput statistics of northbound interface with inbound direction.	N/A	Unsigned integer. Value range: 0 to 4294967295.	N/A

Examples

Example 1: Get information of history summary.

JSON Request

GET /api/v1/AP/HistorySummary

JSON Response

200 OK

```
{
  "Date" : "2015-03-03":
  "Time" : 11:01:13
  "ManualApNum" : 1
  "RunApNum" : 0
  "OfflineApNum" : 0
  "UnhealthyApNum" : 0
  "ApGroupNum" : 0
  "LocationNum" : 0
  "NorthIfOutPkt" : 0
  "NorthIfOutByte" : 0
  "NorthIfInPkt" : 0
  "NorthIfInByte" : 0
}
```

AP/AllAP

This table contains the information of all APs.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
LocationName	Which location the AP belongs to.	Index	String, lowercase. Length: 1 to 31 characters.	N/A
Name	AP name	Index	String, lowercase. Length: 1 to 64 characters.	N/A
Status	AP associated status	N/A	Enumeration: <ul style="list-style-type: none">1—Online2—Offline3—Image downloading	N/A
Type	AP type	N/A	Enumeration: <ul style="list-style-type: none">1—auto2—manual	N/A
GroupName	The name of AP group which the AP belongs to.	N/A	String, lowercase. Length: 1 to 31 characters.	N/A

Examples

Example 1: Get the information of all APs.

JSON Request

GET /api/v1/AP/AllAP

JSON Response

200 OK

```
{
  "LocationName" : "default-location"
  "Name" : "ap1"
  "Type" : 2
  "Status" : 2
  "GroupName" : "default-group"
}
```


AP/LocalACDB

This table contains local-ac model information.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
ModelName	Local-ac model name	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
HardwareVersion	The version of Hardware.	Index	Enumeration: <ul style="list-style-type: none">• 1—Ver.A• 2—Ver.B• 3—Ver.C• 4—Ver.D• 5—Ver.E• 6—Ver.F	N/A
SoftwareVersion	The version of Software.	N/A	String Length:1 to 31.	N/A

Examples

Example 1: Get local-ac model information.

JSON Request

GET /api/v1/AP/LocalACDB

JSON Response

200 OK

```
{  
  "ModelName" : "S5560"  
  "HardwareVersion" : 1  
  "SoftwareVersion" : A7164  
}
```

AP/LocalAC

This table contains information of local-ac.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Local-ac name	Index	String, lowercase. Length: 1 to 64 characters.	N/A
Model	Local-ac model name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
CfgSerialID	Configured Local-ac serial ID	N/A	String, uppercase. Length: 1 to 63 characters.	N/A
Status	Local-ac associated status	N/A	Enumeration: <ul style="list-style-type: none"> 1—Online 2—Offline 3—Image downloading 	N/A
EchoInterval	The transmit interval of tunnel echo messages.	N/A	Unsigned short. Value range: 0, 5 to 255. Unit: seconds	N/A
RetransInterval	The interval to retransmit a request message.	N/A	Unsigned short. Value range: 3 to 8 Unit: seconds	N/A
RetransCount	The allowed maximum number of retransmission attempts. If the count is reached, the tunnel will be down.	N/A	Unsigned short. Value range: 2 to 5. Unit: seconds	N/A
FirmwareUpgrade	Whether the AC will upgrade AP's firmware automatically if the software is mismatch.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	N/A
Ipv4Address	Local AC IPv4 address	N/A	String, dotted decimal notation.	Example: 1.1.1.1. This column is unavailable when the AC uses an IPv6 address.

Column name	Column description	Column type	Data type and restrictions	Remarks
Ipv6Address	Local AC IPv6 address	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1. This column is unavailable when the AC uses an IPv4 address.

Examples

Example 1: Get information of local-ac.

JSON Request

GET /api/v1/AP/LocalAC

JSON Response

200 OK

```
{
  "Name" : "admin"
  "Model" : "WA2620i-AGN"
  "Status" : 0
  "EchoInterval" : 10
  "Ipv4Address" : 0.0.0.0
  "Ipv6Address" : ::
}
```

Example 2: Delete information of local-ac.

JSON Request

DELETE

/api/v1/AP/LocalAC?index=Name=admin

JSON Response

204 No Content

AP/ContainerTopology

This table contains information about all PoE ports on the container and units (such as WAP and WTU) connected to the container (such as SPM and WT).

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
ContainerName	Container name	Index	String, lowercase. Length: 1 to 64 characters.	N/A
PoePort	Port on the container	Index	Unsigned short.	See AP/APDB/.
PoeStatus	PoE port status	N/A	Boolean: <ul style="list-style-type: none">true—Enablefalse—Disable	N/A
UnitName	Unit name	N/A	String, lowercase. Length: 1 to 64 characters.	N/A

Examples

Example 1: Get information about all PoE ports on the container and units (such as WAP and WTU) connected to the container (such as SPM and WT).

JSON Request

GET /api/v1/AP/ContainerTopology

JSON Response

200 OK

```
{
  "ContainerName" : "spm1"
  "PoePort" : 1
  "PoeStatus" : 0
  "UnitName" :
}
```

Example 2: Delete information about all PoE ports on the container and units (such as WAP and WTU) connected to the container (such as SPM and WT).

JSON Request

DELETE

/api/v1/AP/ContainerTopology?index=ContainerName=spm1;PoePort=1;

JSON Response

204 No Content

AP/Container

This table contains information about containers.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	AP name	Index	String, lowercase. Length: 1 to 64 characters.	N/A
Model	AP model name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
CfgMacAddress	Configured AP MAC address	N/A	Six groups of two hexadecimal digits, hyphen-separated.	Example: 00-0c-af-e3-5d-c0.
APNum	Number of APs connected to the container	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
Status	AP association status	N/A	Enumeration: <ul style="list-style-type: none">1—Online2—Image downloading	N/A
Ipv4Address	AP IPv4 address	N/A	String, dotted decimal notation.	Example: 1.1.1.1. This column is unavailable when the AP uses an IPv6 address.
Ipv6Address	AP IPv6 address	N/A	Hexadecimal string, colon-separated	Example: 1:1::1:1. This column is unavailable when the AP uses an IPv4 address.
OnlineTime	Time since the AP came online.	N/A	Unsigned integer. Value range: 0 to 4294967295. Unit: Second	N/A
LastDownReason	Cause of the tunnel down the last time.	N/A	String. Length: 1 to 31 characters.	N/A
LastRebootReason	Cause of the AP rebooting in last time.	N/A	String. Length: 1 to 31 characters.	N/A
OfflineMoment	The time of the AP offline in last time.	N/A	DateTime. Format: YYYY-MM-DDTHH:MM:SS	Example: 2014-05-07T09:35:07

Examples

Example 1: Get information about containers.

JSON Request

GET /api/v1/AP/Container

JSON Response

200 OK

```
{  
  "Name" : "spm"  
  "Model" : "SPM-X1-10"  
  "CfgMacAddress" : 00-00-00-00-00-00  
  "APNum" : 0  
  "Status" : 2  
  "OnlineTime" : 0  
  "LastDownReason" : "No reson"  
  "LastRebootReason" :  
  "OfflineMoment" : "2016-01-01T08:00:23"  
}
```

Example 2: Delete information about containers.

JSON Request

DELETE

/api/v1/AP/Container?index=Name=spm

JSON Response

204 No Content

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ARP

ARP/ArpScan

This table is used to enable ARP automatic scanning in a specific Ipv4 address range.

XML structure

```
<ARP>
  <ArpScan>
    <Scan>
      <IfIndex></IfIndex>
      <Ipv4AddressStart></Ipv4AddressStart>
      <Ipv4AddressEnd></Ipv4AddressEnd>
    </Scan>
  </ArpScan>
</ARP>
```

Table description

Item	Description
Feature name	ARP
Table name	ArpScan
Table type	Multi-instance table
Row name	Scan
Restrictions	This table supports interface types: Layer 3 Ethernet interface/subinterface Layer 3 aggregate interface/subinterface VLAN interface

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface Index	Index	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Ipv4Address Start	The start IPv4 address of the scanning range	N/A	String, dotted decimal notation.	<p>If no address range is specified, the device only scans neighbors on the network where the primary IP address of the interface resides.</p> <p>The start IP address and end IP address must be on the same network as the primary IP address or manually configured secondary IP addresses of the interface.</p>
Ipv4Address End	The end IPv4 address of the scanning range	N/A	String, dotted decimal notation.	Must be specified if the Ipv4AddressStart column is specified.

ARP/ArpFixup

This table is used to change the existing dynamic ARP entries into static ARP entries.

XML structure

```

<ARP>
  <ArpFixup>
    <Fixup>
      <IfIndex></IfIndex>
      <Ipv4Address></Ipv4Address>
    </Fixup>
  </ArpFixup>
</ARP>

```

Table description

Item	Description
Feature name	ARP
Table name	ArpFixup

Table type	Multi-instance table
Row name	Fixup
Restrictions	Only Layer 3 interface is supported.

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface Index	Index	Unsigned integer.
Ipv4Address	IPv4 address	Index	String, dotted decimal notation.

ARP/ArpClearByType

This table is used to clear ARP entries according to ARP entry type.

XML structure

```

<ARP>
  <ArpClearByType>
    <ArpType></ArpType>
  </ArpClearByType>
</ARP>

```

Table description

Item	Description
Feature name	ARP
Table name	ArpClearByType
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ArpType	ARP entry type	N/A	Enumeration: <ul style="list-style-type: none">• 0—Dynamic.• 1—Static.• 2—Multiport.• 3—All.

ARP/ArpClearByIfIndex

This table is used to clear dynamic ARP entries according to interface index.

XML structure

```
<ARP>
  <ArpClearByIfIndex>
    <ClearByIfIndex>
      <IfIndex></IfIndex>
    </ClearByIfIndex>
  </ArpClearByIfIndex>
</ARP>
```

Table description

Item	Description
Feature name	ARP
Table name	ArpClearByIfIndex
Table type	Multi-instance table
Row name	ClearByIfIndex
Restrictions	This table supports interface types: Layer 2 Ethernet interface/Layer 2 aggregate interface view Layer 3 Ethernet interface/subinterface view Layer 3 aggregate interface/aggregate subinterface view S-channel interface/S-channel aggregate interface view

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface Index	Index	Unsigned integer.

ARP/ArpClearTable

This table is used to clear dynamic ARP entries.

XML structure

```
<ARP>
  <ArpClearTable>
    <ClearEntry>
      <IfIndex></IfIndex>
      <Ipv4Address></Ipv4Address>
    </ClearEntry>
  </ArpClearTable>
</ARP>
```

Table description

Item	Description
Feature name	ARP
Table name	ArpClearTable
Table type	Multi-instance table
Row name	ClearEntry
Restrictions	Only Layer 3 interface is supported.

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface Index	Index	Unsigned integer.
Ipv4Address	IPv4 address	Index	String, dotted decimal notation.

ARP/ArpSnoopingClearByVLAN

This table is used to clear dynamic ARP Snnoping entries according to VLAN..

XML structure

```
<ARP>
  <ArpSnoopingClearByVLAN>
    <ClearByVLAN>
      <VLANID></VLANID>
    </ClearByVLAN>
  </ArpSnoopingClearByVLAN>
</ARP>
```

Table description

Item	Description
Feature name	ARP
Table name	ArpSnoopingClearByVLAN
Table type	Multi-instance table
Row name	ClearByVLAN
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
VLANID	VLAN ID	Index	Unsigned integer.

ARP/ArpSnoopingClearByIP

This table is used to clear dynamic ARP Snnoping entries according to Ipv4 address.

XML structure

```
<ARP>
  <ArpSnoopingClearByIP>
```

```

    <ClearByIP>
      <Ipv4Address></Ipv4Address>
    </ClearByIP>
  </ArpSnoopingClearByIP>
</ARP>

```

Table description

Item	Description
Feature name	ARP
Table name	ArpSnoopingClearByIP
Table type	Multi-instance table
Row name	ClearByIP
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Ipv4Address	IPv4 address	Index	String, dotted decimal notation.

ARP/ArpRateLimitAllIf

This table is used to config ARP rate limit on all layer 2 physical interface and layer 2 aggregate interface.

XML structure

```

<ARP>
  <ArpRateLimitAllIf>
    <RateLimitAllIf>
      <RateLimitEnable></RateLimitEnable>
      <RateLimitNum></RateLimitNum>
    </RateLimitAllIf>
  </ArpRateLimitAllIf>
</ARP>

```

Table description

Item	Description
Feature name	ARP
Table name	ArpRateLimitAllIf
Table type	Multi-instance table
Row name	RateLimitAllIf
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	
RateLimitEnable	Whether the rate limit function is enable.	N/A	Boolean: <ul style="list-style-type: none">true (default)false	N/A
RateLimitNum	Set the rate limit number	N/A	Unsigned integer. Value range: uiRateLimitLowerLimit to uiRateLimitUpperLimit.	<p>The value of uiRateLimitLowerLimit and uiRateLimitUpperLimit depend on the device model.</p> <p>The default value of RateLimitNum depends on the device model.</p> <p>RateLimitNum can be configured only when RateLimitEnable is true.</p>

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ARP

ARP/ArpConfig

This table contains ARP configuration information.

XML structure

```
<ARP>
  <ArpConfig>
    <Config>
      <VrfIndex></VrfIndex>
      <Ipv4Address></Ipv4Address>
      <MacAddress></MacAddress>
      <VLANID></VLANID>
      <PortIndex></PortIndex>
      <ArpType></ArpType>
    </Config>
  </ArpConfig>
</ARP>
```

Table description

Item	Description
Feature name	ARP
Table name	ArpConfig
Table type	Multi-instance table
Row name	Config
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VrfIndex	Index of the VRF	Index	Unsigned integer.	Some versions support VRF name. For relevant information, see the XSD document of your product. 0 means public network
Ipv4Address	IPv4 address	Index	String, dotted decimal notation.	N/A
MacAddress	MAC address	N/A	Six groups of two hexadecimal digits, hyphen-separated.	Required.
VLANID	VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094.	It must be configured together with the PortIndex column when ArpType is static. It must be specified when ArpType is multiport.
PortIndex	Port index	N/A	Unsigned integer.	It must be configured together with the VLANID column when ArpType is static. It must not be specified when ArpType is multiport.
ArpType	ARP entry type	N/A	Enumeration: <ul style="list-style-type: none"> 1—Static. 2—Multiport. 	Required. If the multiport type is supported depends on the device model.

ARP/ArpGratuitous

This table contains gratuitous ARP packets enable information.

XML structure

```
<ARP>
  <ArpGratuitous>
    <LearnEnable></LearnEnable>
    <SendEnable></SendEnable>
  </ArpGratuitous>
</ARP>
```

Table description

Item	Description
Feature name	ARP
Table name	ArpGratuitous
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
LearnEnable	Whether the learning of gratuitous ARP packets function is enable.	N/A	Boolean: <ul style="list-style-type: none">• true (default)• false
SendEnable	Whether the function of sending gratuitous ARP packets upon receiving ARP requests whose target IP address is on a different subnet is enable.	N/A	Boolean: <ul style="list-style-type: none">• true• false (default)

ARP/ArpLearnLimit

This table contains the information of maximum number of dynamic ARP entries that an interface can learn.

XML structure

```
<ARP>
  <ArpLearnLimit>
    <LearnLimit>
      <IfIndex></IfIndex>
      <LearnMaxNum></LearnMaxNum>
      <LearnAlarmThreshold></LearnAlarmThreshold>
    </LearnLimit>
  </ArpLearnLimit>
</ARP>
```

Table description

Item	Description
Feature name	ARP
Table name	ArpLearnLimit
Table type	Multi-instance table
Row name	LearnLimit
Restrictions	This table supports interface types: Layer 2 Ethernet interface/Layer 2 aggregate interface Layer 3 Ethernet interface/subinterface Layer 3 aggregate interface/aggregate subinterface S-channel interface/S-channel aggregate interface VLAN interface
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface Index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in Ifmgr NETCONF XML API Configuration Reference.
LearnMaxNum	The maximum number of dynamic ARP entries that an interface can learn	N/A	Unsigned integer. Value range: 0 to LearnMaxNumLimit.	0 means the interface is disabled from learning dynamic ARP entries. The value of LearnMaxNumLimit depends on the device model. The default setting varies with device models.
LearnAlarmThreshold	Alarm threshold in percentage	N/A	Unsigned integer. Value range: 0 to 100.	To disable the threshold alarming, set the value to 0. The default setting is 0.

ARP/ArpGratuitousInterval

This table contains the information of periodic sending of gratuitous ARP packets and set the sending interval on an interface.

XML structure

```

<ARP>
  <ArpGratuitousInterval>
    <GratuitousInterval>
      <IfIndex></IfIndex>
      <Interval></Interval>
    </GratuitousInterval>
  </ArpGratuitousInterval>

```

< /ARP>

Table description

Item	Description
Feature name	ARP
Table name	ArpGratuitousInterval
Table type	Multi-instance table
Row name	GratuitousInterval
Restrictions	This table supports interface types: Layer 3 Ethernet interface/subinterface Layer 3 aggregate interface/subinterface VLAN interface
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface Index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in Ifmgr NETCONF XML API Configuration Reference.
Interval	The interval at which gratuitous ARP packets are sent	N/A	Unsigned integer. Value range: 0, 200 to 200000ms. Default: 0.	0 means disable the interface from periodically sending gratuitous ARP packets.

ARP/ArpProxy

This table contains ARP proxy enable and local ARP proxy enable information.

XML structure

```
<ARP>
  <ArpProxy>
    <Proxy>
      <IfIndex></IfIndex>
      <ProxyEnable></ProxyEnable>
      <LocalProxyEnable></LocalProxyEnable>
      <LocalStartIpv4Address></LocalStartIpv4Address>
      <LocalEndIpv4Address></LocalEndIpv4Address>
    </Proxy>
  </ArpProxy>
</ARP>
```

Table description

Item	Description
Feature name	ARP
Table name	ArpProxy
Table type	Single-instance table
Row name	Proxy
Restrictions	This table supports interface types: Layer 3 Ethernet interface/subinterface Layer 3 aggregate interface/aggregate subinterface VLAN interface
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface Index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in Ifmgr NETCONF XML API Configuration Reference.
ProxyEnable	Whether the function of proxy arp on the interface is enable.	N/A	Boolean: <ul style="list-style-type: none"> true false (default) 	N/A
LocalProxyEnable	Whether the function of local proxy arp on the interface is enable.	N/A	Boolean: <ul style="list-style-type: none"> true false (default) 	N/A
LocalStartIpv4Address	Start Ipv4 address of the specified address range for local proxy arp	N/A	String, dotted decimal notation.	LocalStartIpv4Address and LocalEndIpv4Address must be configed together. LocalStartIpv4Address and LocalEndIpv4Address can be configured only when local proxy arp on the interface is enabled.
LocalEndIpv4Address	End Ipv4 address of the specified address range for local proxy arp	N/A	String, dotted decimal notation.	N/A

ARP/ArpAttackProtect

This table contains ARP attack protect information.

XML structure

```
<ARP>
  <ArpAttackProtect>
    <ResolvingRouteEnable></ResolvingRouteEnable>
    <SourceSuppressionEnable></SourceSuppressionEnable>
    <SourceSuppressionLimitNum></SourceSuppressionLimitNum>
    <SourceMACDetectType></SourceMACDetectType>
    <SourceMACAgeTime></SourceMACAgeTime>
    <SourceMACThresholdValue></SourceMACThresholdValue>
    <ValidCheckEnable></ValidCheckEnable>
    <ActiveACKType></ActiveACKType>
    <DetectionValidateSrcMAC></DetectionValidateSrcMAC>
    <DetectionValidateDstMAC></DetectionValidateDstMAC>
    <DetectionValidateIP></DetectionValidateIP>
  </ArpAttackProtect>
</ARP>
```

Table description

Item	Description
Feature name	ARP
Table name	ArpAttackProtect
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ResolvingRouteEnable	Whether the resolving route function is enable.	N/A	Boolean: <ul style="list-style-type: none">truefalse	The default value of ResolvingRouteEnable depends on the device

				model.
SourceSuppressionEnable	Whether the arp suppression original address function is enable.	N/A	Boolean: <ul style="list-style-type: none"> • true • false (default) 	N/A
SourceSuppressionLimitNum	Set the source suppression limit number	N/A	Unsigned integer. Value range: 2 to 1024. Default: 10.	N/A
SourceMACDetectType	Set the attack detection function of fixed source mac address and select the mode	N/A	Unsigned integer. <ul style="list-style-type: none"> • 0—Disabled (default). • 1—Filter. • 2—Monitor. 	N/A
SourceMACAgeTime	Set the fixed source mac address aging time of arp attack detecton entries	N/A	Unsigned integer. Value range: 60 to 6000. Default: 300.	N/A
SourceMACThresholdValue	Set the fixed source mac address threshold of arp attack detecton entries	N/A	Unsigned integer. Unsigned integer. Value range: uiSourceMinThreshold to uiSourceMaxThreshold.	The value of uiSourceMinThreshold and uiSourceMaxThreshold depend on the device model. The default value of SourceMACThresholdValue depends on the device model.
ValidCheckEnable	Whether the source mac address consistency check function is enable.	N/A	Boolean: <ul style="list-style-type: none"> • true • false (default) 	N/A
ActiveACKType	Enable the active ack function	N/A	Unsigned integer. <ul style="list-style-type: none"> • 0—Disabled (default). • 1—Loose. • 2—Strict. 	N/A
DetectionVa	Whether the	N/A	Boolean:	N/A

lidaSrcMAC	effective checks on the source mac address function is enable		<ul style="list-style-type: none"> • true • false (default) 	
DetectionValidaDstMAC	Whether the effective checks on the destination mac address function is enable	N/A	Boolean: <ul style="list-style-type: none"> • true • false (default) 	N/A
DetectionValidaIP	Whether the effective checks on the ip address is enable.	N/A	Boolean: <ul style="list-style-type: none"> • true • false (default) 	N/A

ARP/ArpRateLimit

This table contains ARP rate limit information.

XML structure

```

<ARP>
  <ArpRateLimit>
    <RateLimit>
      <IfIndex></IfIndex>
      <RateLimitEnable></RateLimitEnable>
      <RateLimitNum></RateLimitNum>
    </RateLimit>
  </ArpRateLimit>
</ARP>

```

Table description

Item	Description
Feature name	ARP
Table name	ArpRateLimit
Table type	Single-instance table
Row name	RateLimit
Restrictions	This table supports interface types: Layer 2 Ethernet interface/Layer 2 aggregate interface

Support for row creation and deletion	No
---------------------------------------	----

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in IfMgr NETCONF XML API Configuration Reference.
RateLimitEnable	Whether the rate limit function is enable.	N/A	Boolean: <ul style="list-style-type: none"> true (default) false 	N/A
RateLimitNum	Set the rate limit number	N/A	Unsigned integer. Value range: uiRateLimitLowerLimit to uiRateLimitUpperLimit.	The value of uiRateLimitLowerLimit and uiRateLimitUpperLimit depend on the device model. The default value of RateLimitNum depends on the device model. RateLimitNum can be configured only when RateLimitEnable is true.

ARP/ArpRateLimitLog

This table contains ARP rate limit log information.

XML structure

<ARP>

```

<ArpRateLimitLog>
  <LogEnable></LogEnable>
  <LogInterval></LogInterval>
</ArpRateLimitLog>
</ARP>

```

Table description

Item	Description
Feature name	ARP
Table name	ArpRateLimitLog
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LogEnable	Whether the rate limit log function is enable.	N/A	Boolean: <ul style="list-style-type: none"> true false(default) 	N/A
LogInterval	Set the interval of sending report or log	N/A	Unsigned integer. Value range: 1 to 86400. Default: 60.	N/A

ARP/ArpSourceMACExclude

This table contains protective source mac address information.

XML structure

```

<ARP>
  <ArpSourceMACExclude>
    <SourceMACExclude>
      <MacAddress></MacAddress>
    </SourceMACExclude>
  </ArpSourceMACExclude>
</ARP>

```

```

    </SourceMACExclude>
  </ArpSourceMACExclude>
</ARP>

```

Table description

Item	Description
Feature name	ARP
Table name	ArpSourceMACExclude
Table type	Multi-instance table
Row name	SourceMACExclude
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
MacAddress	MAC address	Index	Six groups of two hexadecimal digits, hyphen-separated.	The MAX number of protective source mac address that can configed depends on the device model.

ARP/ArpAuthorized

This table contains the arp authorized information.

XML structure

```

<ARP>
  <ArpAuthorized>
    <Authorized>
      <IfIndex></IfIndex>
      <Enable></Enable>
    </Authorized>
  </ArpAuthorized>

```

< /ARP>

Table description

Item	Description
Feature name	ARP
Table name	ArpAuthorized
Table type	Single-instance table
Row name	Authorized
Restrictions	This table supports interface types: Layer 3 Ethernet interface/subinterface Layer 3 aggregate interface/aggregate subinterface VLAN interface
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	Layer 3 Ethernet interface/subinterface Layer 3 aggregate interface/aggregate subinterface VLAN interface Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in Ifmgr NETCONF XML API Configuration Reference.
Enable	Whether the arp authorized	N/A	Boolean:	N/A

	function is enable.		<ul style="list-style-type: none"> • true • false (default) 	
--	---------------------	--	---	--

ARP/ArpDetection

This table contains the information about arp detections.

XML structure

```
<ARP>
  <ArpDetection>
    <Detect>
      <VLANID></VLANID>
      <DetectionEnable></DetectionEnable>
      <RestrictedForwardingEnable></RestrictedForwardingEnable>
    </Detect>
  </ArpDetection>
</ARP>
```

Table description

Item	Description
Feature name	ARP
Table name	ArpDetection
Table type	Multi-instance table
Row name	Detect
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
VLANID	VLAN ID	Index	Unsigned integer. Value range: 1 to 4094
DetectionEnable	Whether the arp detection function is enable.	N/A	Boolean: <ul style="list-style-type: none"> • true

			<ul style="list-style-type: none"> false (default)
RestrictedForwardingEnable	Whether the function of restricted forwarding arp packet is enable.	N/A	Boolean: <ul style="list-style-type: none"> true false (default)

ARP/ArpDetectionTrust

This table contains the information of interface that arp trusted.

XML structure

```

<ARP>
  <ArpDetectionTrust>
    <Interface>
      <IfIndex></IfIndex>
      <TrustEnable></TrustEnable>
    </Interface>
  </ArpDetectionTrust>
</ARP>

```

Table description

Item	Description
Feature name	ARP
Table name	ArpDetectionTrust
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports interface types: Layer 2 Ethernet interface Layer 2 aggregate interface
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	Layer 2 Ethernet interface Layer 2 aggregate interface Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in Ifmgr NETCONF XML API Configuration Reference.
TrustEnable	Whether the function of trusting interface is enable.	N/A	Boolean: <ul style="list-style-type: none">truefalse	N/A

ARP/ArpFilterSource

This table contains the information about arp gateway protection and protected ip address.

XML structure

```
<ARP>
  <ArpFilterSource>
    <FilterSource>
      <IfIndex></IfIndex>
      <Ipv4Address></Ipv4Address>
    </FilterSource>
  </ArpFilterSource>
</ARP>
```

Table description

Item	Description
Feature name	ARP
Table name	ArpFilterSource
Table type	Multi-instance table
Row name	FilterSource
Restrictions	This table supports interface types: Layer 2 Ethernet interface Layer 2 aggregate interface
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	Layer 2 Ethernet interface Layer 2 aggregate interface Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in Ifmgr NETCONF XML API Configuration Reference.
Ipv4Address	The protected gateway ip address	Index	String, dotted decimal notation.	N/A

ARP/ArpFilterBinding

This table contains the information about restricting arp packet by source ip address and source mac address.

XML structure

```
<ARP>
  <ArpFilterBinding>
    <FilterBinding>
      <IfIndex></IfIndex>
      <Ipv4Address></Ipv4Address>
      <MacAddress></MacAddress>
    </FilterBinding>
  </ArpFilterBinding>
</ARP>
```

Table description

Item	Description
Feature name	ARP
Table name	ArpFilterBinding
Table type	Multi-instance table
Row name	FilterBinding
Restrictions	This table supports interface types: Layer 2 Ethernet interface Layer 2 aggregate interface
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	Layer 2 Ethernet interface Layer 2 aggregate interface

				Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in Ifmgr NETCONF XML API Configuration Reference.
Ipv4Address	The permitted ip address	Index	String, dotted decimal notation.	N/A
MacAddress	MAC address	N/A	Six groups of two hexadecimal digits, hyphen-separated.	You cannot specify an MacAddress when you remove or delete a rule.

ARP/ArpSnooping

This table contains the information about the arp snooping entries.

XML structure

```

<ARP>
  <ArpSnooping>
    <Snooping>
      <VLANID></VLANID>
      <SnoopingEnable></SnoopingEnable>
    </Snooping>
  </ArpSnooping>
</ARP>

```

Table description

Item	Description
Feature name	ARP
Table name	ArpSnooping
Table type	Multi-instance table
Row name	Snooping

Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
VLANID	VLAN ID	Index	Unsigned integer. Value range: 1 to 4094
SnoopingEnable	Whether the arp snooping function is enable.	N/A	Boolean: <ul style="list-style-type: none"> true false (default)

ARP/ARPInterface

This table contains ARP interface information.

XML structure

```

<ARP>
  <ArpInterface>
    <Interface>
      <IfIndex></IfIndex>
      <ModeUNI></ModeUNI>
    </Interface>
  </ArpInterface>
</ARP>

```

Table description

Item	Description
Feature name	ARP
Table name	ARPInterface
Table type	Multi-instance table
Row name	Interface
Restrictions	VLAN interfaces

Support for row creation and deletion	No
---------------------------------------	----

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Only VLAN interfaces are supported. Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in Ifmgr NETCONF XML API Configuration Reference.
ModeUNI	Configure a port as a customer-side port	N/A	Boolean: <ul style="list-style-type: none"> true—Customer-side port. false—Network-side port (default). 	Whether the ModeUNI is supported depends on the device model.

ARP/ArpVsiConfig

This table contains ARP VSI configuration information.

XML structure

```

<ARP>
  <ArpVsiConfig>
    <VsiConfig>
      <VrfIndex></VrfIndex>
      <Ipv4Address></Ipv4Address>
      <MacAddress></MacAddress>
      <VsiIfIndex></VsiIfIndex>
      <PortIndex></PortIndex>
      <SrvID></SrvID>
    
```



```

    <VsiName></VsiName>
  </VsiConfig>
</ArpVsiConfig>
</ARP>

```

Table description

Item	Description
Feature name	ARP
Table name	ArpVsiConfig
Table type	Multi-instance table
Row name	VsiConfig
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VrfIndex	Index of the VRF	Index	Unsigned integer.	Some versions support VRF name. For relevant information, see the XSD document of your product. 0 means public network.
Ipv4Address	IPv4 address	Index	String, dotted decimal notation.	N/A
MacAddress	MAC address	N/A	Six groups of two hexadecimal digits, hyphen-separated.	Required.
VsilfIndex	VSI interface index	N/A	Unsigned integer.	The VSI interface must be bound to the VSI.
PortIndex	Port index	N/A	Unsigned integer.	The port can only be a Layer 2 Ethernet interface or a Tunnel interface.

Column name	Column description	Column type	Data type and restrictions	Remarks
SrvID	Service instance ID	N/A	Unsigned integer. Value range: 1 to 4096.	This field must be configured when the port is a Layer 2 Ethernet interface. It must be deleted when the port is a Tunnel interface.
VsiName	VSI name	N/A	String, Length: 1 to 31 characters.	You must create a VSI first before you merge, replace or create ARPs.

ARP/ArpRouteAdvertise

This table contains the information about ARP direct route advertisement.

XML structure

```

<ARP>
  <ArpRouteAdvertise>
    <RouteAdvertise>
      <IfIndex></IfIndex>
      <Enable></Enable>
    </RouteAdvertise>
  </ArpRouteAdvertise>
</ARP>

```

Table description

Item	Description
Feature name	ARP
Table name	ArpRouteAdvertise
Table type	Multi-instance table
Row name	RouteAdvertise
Restrictions	This table supports interface types: VE-L3VPN interface VSI interface
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	VE-L3VPN interface VSI interface Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see Appendix in Ifmgr NETCONF XML API Configuration Reference.
Enable	Whether the arp direct route advertise function is enable.	N/A	Boolean: <ul style="list-style-type: none"> true false (default) 	N/A

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ARP

ARP/ArpTable

This table contains ARP table information.

XML structure

```
<ARP>
  <ArpTable>
    <ArpEntry>
      <IfIndex></IfIndex>
      <Ipv4Address></Ipv4Address>
      <MacAddress></MacAddress>
      <VLANID></VLANID>
      <PortIndex></PortIndex>
      <VrfIndex></VrfIndex>
      <ArpType></ArpType>
    </ArpEntry>
  </ArpTable>
</ARP>
```

Table description

Item	Description
Feature name	ARP
Table name	ArpTable
Table type	Multi-instance table
Row name	ArpEntry
Restrictions	Only Layer 3 interface is supported.

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface Index	Index	Unsigned integer.
Ipv4Address	IPv4 address	Index	String, dotted decimal notation.

Column name	Column description	Column type	Data type and restrictions
MacAddress	MAC address	N/A	Six groups of two hexadecimal digits, hyphen-separated.
VLANID	VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094.
PortIndex	Port index	N/A	Unsigned integer.
VrfIndex	Index of the VRF	N/A	Unsigned integer.
ArpType	ARP entry type	N/A	Enumeration: <ul style="list-style-type: none"> • 0—Dynamic. • 1—Static. • 2—Multiport. • 3—Rule. • 4—Openflow.

ARP/ArpConfig

This table contains ARP configuration information.

XML structure

```

<ARP>
  <ArpConfig>
    <Config>
      <VrfIndex></VrfIndex>
      <Ipv4Address></Ipv4Address>
      <MacAddress></MacAddress>
      <VLANID></VLANID>
      <PortIndex></PortIndex>
      <ArpType></ArpType>
    </Config>
  </ArpConfig>
</ARP>

```

Table description

Item	Description
Feature name	ARP

Table name	ArpConfig
Table type	Multi-instance table
Row name	Config
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
VrfIndex	Index of the VRF	Index	Unsigned integer.
Ipv4Address	IPv4 address	Index	String, dotted decimal notation.
MacAddress	MAC address	N/A	Six groups of two hexadecimal digits, hyphen-separated.
VLANID	VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094.
PortIndex	Port index	N/A	Unsigned integer.
ArpType	ARP entry type	N/A	Enumeration: <ul style="list-style-type: none"> • 1—Static. • 2—Multiport.

ARP/ArpGratuitous

This table contains gratuitous ARP packets enable information.

XML structure

```

<ARP>
  <ArpGratuitous>
    <LearnEnable></LearnEnable>
    <SendEnable></SendEnable>
  </ArpGratuitous>
</ARP>

```


Table description

Item	Description
Feature name	ARP
Table name	ArpGratuitous
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
LearnEnable	Whether the learning of gratuitous ARP packets function is enable.	N/A	Boolean: <ul style="list-style-type: none">• true• false
SendEnable	Whether the function of sending gratuitous ARP packets upon receiving ARP requests whose target IP address is on a different subnet is enable.	N/A	Boolean: <ul style="list-style-type: none">• true• false

ARP/ArpLearnLimit

This table contains the information of maximum number of dynamic ARP entries that an interface can learn.

XML structure

```
<ARP>
  <ArpLearnLimit>
```

```

<LearnLimit>
  <IfIndex></IfIndex>
  <LearnMaxNum></LearnMaxNum>
  <LearnAlarmThreshold></LearnAlarmThreshold>
</LearnLimit>
</ArpLearnLimit>
</ARP>

```

Table description

Item	Description
Feature name	ARP
Table name	ArpLearnLimit
Table type	Multi-instance table
Row name	LearnLimit
Restrictions	<p>This table supports interface types:</p> <p>Layer 2 Ethernet interface/Layer 2 aggregate interface</p> <p>Layer 3 Ethernet interface/subinterface</p> <p>Layer 3 aggregate interface/aggregate subinterface</p> <p>S-channel interface/S-channel aggregate interface</p> <p>VLAN interface</p>

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface Index	Index	Unsigned integer.	N/A
LearnMaxNum	The maximum number of dynamic ARP entries that an interface can learn	N/A	<p>Unsigned integer.</p> <p>Value range: 0 to LearnMaxNumLimit.</p>	<p>0 means the interface is disabled from learning dynamic ARP entries.</p> <p>The value of LearnMaxNumLimit depends on the device model.</p>

LearnAlarm Threshold	Alarm threshold in percentage	N/A	Unsigned integer. Value range: 0 to 100.	To disable the threshold alarming, set the value to 0.
----------------------	-------------------------------	-----	---	--

ARP/ArpGratuitousInterval

This table contains the information of periodic sending of gratuitous ARP packets and set the sending interval on an interface.

XML structure

```
<ARP>
  <ArpGratuitousInterval>
    <GratuitousInterval>
      <IfIndex></IfIndex>
      <Interval></Interval>
    </GratuitousInterval>
  </ArpGratuitousInterval>
</ARP>
```

Table description

Item	Description
Feature name	ARP
Table name	ArpGratuitousInterval
Table type	Multi-instance table
Row name	GratuitousInterval
Restrictions	This table supports interface types: Layer 3 Ethernet interface/subinterface Layer 3 aggregate interface/subinterface VLAN interface

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface Index	Index	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Interval	The interval at which gratuitous ARP packets are sent	N/A	Unsigned integer. Value range: 0, 200 to 200000ms.	0 means disable the interface from periodically sending gratuitous ARP packets.

ARP/ArpProxy

This table contains ARP proxy enable and local ARP proxy enable information.

XML structure

```

<ARP>
  <ArpProxy>
    <Proxy>
      <IfIndex></IfIndex>
      <ProxyEnable></ProxyEnable>
      <LocalProxyEnable></LocalProxyEnable>
      <LocalStartIpv4Address></LocalStartIpv4Address>
      <LocalEndIpv4Address></LocalEndIpv4Address>
    </Proxy>
  </ArpProxy>
</ARP>

```

Table description

Item	Description
Feature name	ARP
Table name	ArpProxy
Table type	Single-instance table
Row name	Proxy
Restrictions	This table supports interface types: Layer 3 Ethernet interface/subinterface Layer 3 aggregate interface/aggregate subinterface VLAN interface

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface Index	Index	Unsigned integer.	N/A
ProxyEnable	Whether the function of proxy arp on the interface is enable.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
LocalProxyEnable	Whether the function of local proxy arp on the interface is enable.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
LocalStartIpv4Address	Start Ipv4 address of the specified address range for local proxy arp	N/A	String, dotted decimal notation.	N/A
LocalEndIpv4Address	End Ipv4 address of the specified address range for local proxy arp	N/A	String, dotted decimal notation.	N/A

ARP/ArpAttackProtect

This table contains ARP attack protect information.

XML structure

```

<ARP>
  <ArpAttackProtect>
    <ResolvingRouteEnable></ResolvingRouteEnable>
    <SourceSuppressionEnable></SourceSuppressionEnable>
    <SourceSuppressionLimitNum></SourceSuppressionLimitNum>
    <SourceMACDetectType></SourceMACDetectType>
    <SourceMACAgeTime></SourceMACAgeTime>
    <SourceMACThresholdValue></SourceMACThresholdValue>
    <ValidCheckEnable></ValidCheckEnable>
  </ArpAttackProtect>
</ARP>

```

```

    <ActiveACKType></ActiveACKType>
    <DetectionValidateSrcMAC></DetectionValidateSrcMAC>
    <DetectionValidateDstMAC></DetectionValidateDstMAC>
    <DetectionValidateIP></DetectionValidateIP>
  </ArpAttackProtect>
</ARP>

```

Table description

Item	Description
Feature name	ARP
Table name	ArpAttackProtect
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ResolvingRouteEnable	Whether the resolving route function is enable	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
SourceSuppressionEnable	Whether the arp suppression original address function is enable.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
SourceSuppressionLimitNum	Set the source suppression limit number	N/A	Unsigned integer. Value range: 2 to 1024.	N/A
SourceMACDetectType	Set the attack detection function of fixed source mac address and select the mode	N/A	Unsigned integer. <ul style="list-style-type: none"> 0—Disabled. 1—Filter. 2—Monitor. 	N/A
SourceMACAgeTime	Set the fixed source mac	N/A	Unsigned integer. Value range: 60 to 6000.	N/A

	address aging time of arp attack detecton entries			
SourceMAC ThresholdV alue	Set the fixed source mac address threshold of arp attack detecton entries	N/A	Unsigned integer.	N/A
ValidCheck Enable	Whether the source mac address consistency check function is enable,	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	N/A
ActiveACKT ype	Enable the active ack function	N/A	Unsigned integer. <ul style="list-style-type: none"> • 0—Disabled. • 1—Loose. • 2—Strict. 	N/A
DetectionVa litateSrcMA C	Whether the effective checks on the source mac address function is enable.	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	N/A
DetectionVa litateDstMA C	Whether the effective checks on the destination mac address function is enable.	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	N/A
DetectionVa litateIP	Whether the effective checks on the ip address function is enable,	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	N/A

ARP/ArpRateLimit

This table contains ARP rate limit information.

XML structure

```
<ARP>
  <ArpRateLimit>
    <RateLimit>
      <IfIndex></IfIndex>
      <RateLimitEnable></RateLimitEnable>
      <RateLimitNum></RateLimitNum>
    </RateLimit>
  </ArpRateLimit>
</ARP>
```

Table description

Item	Description
Feature name	ARP
Table name	ArpRateLimit
Table type	Single-instance table
Row name	RateLimit
Restrictions	This table supports interface types: Layer 2 Ethernet interface/Layer 2 aggregate interface

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	N/A
RateLimitEnable	Whether the rate limit function is enable.	N/A	Boolean: <ul style="list-style-type: none">truefalse	N/A
RateLimitNum	Set the rate limit number	N/A	Unsigned integer. Value range: uiRateLimitLowerLimit to uiRateLimitUpperLimit.	The value of uiRateLimitLowerLimit and uiRateLimitUpperLimit depend on the device model.

ARP/ArpRateLimitLog

This table contains ARP rate limit log information.

XML structure

```
<ARP>
  <ArpRateLimitLog>
    <LogEnable></LogEnable>
    <LogInterval></LogInterval>
  </ArpRateLimitLog>
</ARP>
```

Table description

Item	Description
Feature name	ARP
Table name	ArpRateLimitLog
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LogEnable	Whether the rate limit log function is enable.	N/A	Boolean: <ul style="list-style-type: none">truefalse	N/A
LogInterval	Set the interval of sending report or log	N/A	Unsigned integer. Value range: 1 to 86400.	N/A

ARP/ArpSourceMACExclude

This table contains protective source mac address information.

XML structure

```
<ARP>
  <ArpSourceMACExclude>
    <SourceMACExclude>
      <MacAddress></MacAddress>
    </SourceMACExclude>
  </ArpSourceMACExclude>
</ARP>
```

Table description

Item	Description
Feature name	ARP
Table name	ArpSourceMACExclude
Table type	Multi-instance table
Row name	SourceMACExclude
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
MacAddress	MAC address	Index	Six groups of two hexadecimal digits, hyphen-separated.	The MAX number of protective source mac address that can configed depends on the device model.

ARP/ArpSourceMACAttackEntry

This table contains the information about the arp attack detection entries of fixed source mac address.

XML structure

```
<ARP>
```

```

<ArpSourceMACAttackEntry>
  <Entry>
    <DeviceNode>
      <Chassis></Chassis>
      <Slot></Slot>
      <CPUID></CPUID>
    </DeviceNode>
    <VLANID></VLANID>
    <MacAddress></MacAddress>
    <IfIndex></IfIndex>
    <AgeTime></AgeTime>
  </Entry>
</ArpSourceMACAttackEntry>
</ARP>

```

Table description

Item	Description
Feature name	ARP
Table name	ArpSourceMACAttackEntry
Table type	Multi-instance table
Row name	Entry
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DeviceNode	The information of Device Node	Data structure	Members include: <ul style="list-style-type: none"> Chassis Slot CPUID 	N/A
Chassis	Chassis number	Index	Unsigned integer. Value range: 0 to 65535.	N/A
Slot	Slot number	Index	Unsigned integer. Value range: 0 to 65535.	N/A
CPUID	CPU ID	Index	Unsigned integer. Value range: 0 to 7.	N/A

VLANID	VLAN ID	Index	Unsigned integer. Value range: 1 to 4094,65535.	65535 means the interface is layer 3 Ethernet interface
MacAddress	MAC address	Index	Six groups of two hexadecimal digits, hyphen-separated.	N/A
IfIndex	Interface index.	N/A	Unsigned integer.	N/A
AgeTime	The remaining aging time of arp attack defense policy entry	N/A	AgeTime	N/A

ARP/ArpAuthorized

This table contains the arp authorized information.

XML structure

```

<ARP>
  <ArpAuthorized>
    <Authorized>
      <IfIndex></IfIndex>
      <Enable></Enable>
    </Authorized>
  </ArpAuthorized>
</ARP>

```

Table description

Item	Description
Feature name	ARP
Table name	ArpAuthorized
Table type	Single-instance table
Row name	Authorized
Restrictions	<p>This table supports interface types:</p> <p>Layer 3 Ethernet interface/subinterface</p> <p>Layer 3 aggregate interface/aggregate subinterface</p>

	VLAN interface
--	----------------

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	Layer 3 Ethernet interface/subinterface Layer 3 aggregate interface/aggregate subinterface VLAN interface
Enable	Whether the arp authorized function is enable,	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A

ARP/ArpDetection

This table contains the information about arp detections.

XML structure

```

<ARP>
  <ArpDetection>
    <Detect>
      <VLANID></VLANID>
      <DetectionEnable></DetectionEnable>
      <RestrictedForwardingEnable></RestrictedForwardingEnable>
    </Detect>
  </ArpDetection>
</ARP>

```

Table description

Item	Description
Feature name	ARP
Table name	ArpDetection
Table type	Multi-instance table

Row name	Detect
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
VLANID	VLAN ID	Index	Unsigned integer. Value range: 1 to 4094
DetectionEnable	Whether the arp detection function is enable.	N/A	Boolean: <ul style="list-style-type: none"> true false
RestrictedForwardingEnable	Whether the function of restricted forwarding arp packet is enable.	N/A	Boolean: <ul style="list-style-type: none"> true false

ARP/ArpDetectionTrust

This table contains the information of interface that arp trusted.

XML structure

```

<ARP>
  <ArpDetectionTrust>
    <Interface>
      <IfIndex></IfIndex>
      <TrustEnable></TrustEnable>
    </Interface>
  </ArpDetectionTrust>
</ARP>

```

Table description

Item	Description
Feature name	ARP
Table name	ArpDetectionTrust
Table type	Multi-instance table

Row name	Interface
Restrictions	This table supports interface types: Layer 2 Ethernet interface Layer 2 aggregate interface

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	Layer 2 Ethernet interface Layer 2 aggregate interface
TrustEnable	Whether the function of trusting interface is enable.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A

ARP/ArpFilterSource

This table contains the information about arp gateway protection and protected ip address.

XML structure

```

<ARP>
  <ArpFilterSource>
    <FilterSource>
      <IfIndex></IfIndex>
      <Ipv4Address></Ipv4Address>
    </FilterSource>
  </ArpFilterSource>
</ARP>

```

Table description

Item	Description
Feature name	ARP
Table name	ArpFilterSource

Table type	Multi-instance table
Row name	FilterSource
Restrictions	This table supports interface types: Layer 2 Ethernet interface Layer 2 aggregate interface

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	Layer 2 Ethernet interface Layer 2 aggregate interface
Ipv4Address	The protected gateway ip address	Index	String, dotted decimal notation.	N/A

ARP/ArpFilterBinding

This table contains the information about restricting arp packet by source ip address and source mac address.

XML structure

```

<ARP>
  <ArpFilterBinding>
    <FilterBinding>
      <IfIndex></IfIndex>
      <Ipv4Address></Ipv4Address>
      <MacAddress></MacAddress>
    </FilterBinding>
  </ArpFilterBinding>
</ARP>

```


Table description

Item	Description
Feature name	ARP
Table name	ArpFilterBinding
Table type	Multi-instance table
Row name	FilterBinding
Restrictions	This table supports interface types: Layer 2 Ethernet interface Layer 2 aggregate interface

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index.	Index	Unsigned integer.
Ipv4Address	The permitted ip address	Index	String, dotted decimal notation.
MacAddress	MAC address	N/A	Six groups of two hexadecimal digits, hyphen-separated.

ARP/ArpSpecification

This table contains ARP specification information.

XML structure

```
<ARP>
  <ArpSpecification>
    <SupportMultiport></SupportMultiport>
    <RateLimitDefault></RateLimitDefault>
    <RateLimitLowerLimit></RateLimitLowerLimit>
    <RateLimitUpperLimit></RateLimitUpperLimit>
    <SMACDefaultThreshold></SMACDefaultThreshold>
    <SMACMinThreshold></SMACMinThreshold>
    <SMACMaxThreshold></SMACMaxThreshold>
    <SupportDetection></SupportDetection>
```

```

    <SupportFilter></SupportFilter>
    <SupportSnooping></SupportSnooping>
    <IntervalDefault></IntervalDefault>
    <LearnMaxNumLimit></LearnMaxNumLimit>
    <LearnMaxNumDefault></LearnMaxNumDefault>
  </ArpSpecification>
</ARP>

```

Table description

Item	Description
Feature name	ARP
Table name	ArpSpecification
Table type	Single-instance table
Row name	N/A
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SupportMulti port	Whether the multiport ARP entry is supported.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
RateLimitDefault	The default limit of rate.	N/A	Unsigned integer.	N/A
RateLimitLowerLimit	The lower limit of rate.	N/A	Unsigned integer.	0 means that ARP rate limit isn't supported.
RateLimitUpperLimit	The upper limit of rate.	N/A	Unsigned integer.	0 means that ARP rate limit isn't supported.
SMACDefaultThreshold	The default of threshold.	N/A	Unsigned integer.	N/A
SMACMinThreshold	The minimum of threshold.	N/A	Unsigned integer.	N/A
SMACMaxThreshold	The maximum of threshold.	N/A	Unsigned integer.	N/A

SupportDetection	Whether ARP detection is supported..	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
SupportFilter	Whether ARP filter is supported..	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
SupportSnopping	Whether ARP Snooping is supported.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
IntervalDefault	The default of interval.	N/A	Unsigned integer. Value range: 0 to 200000.	N/A
LearnMaximumLimit	The limit of max learn number.	N/A	Unsigned integer.	N/A
LearnMaximumDefault	The default of max learn number.	N/A	Unsigned integer.	N/A

ARP/ ArpSnoopingEntry

This table contains the information about the arp snooping entries.

XML structure

```

<ARP>
  <ArpSnoopingEntry>
    <SnoopingEntry>
      <DeviceNode>
        <Chassis></Chassis>
        <Slot></Slot>
        <CPUID></CPUID>
      </DeviceNode>
      <IfIndex></IfIndex>
      <Ipv4Address></Ipv4Address>
      <VLANID></VLANID>
      <MacAddress></MacAddress>
      <Status></Status>
      <AgeTime></AgeTime>
    </SnoopingEntry>
  </ArpSnoopingEntry>
</ARP>

```

```

    </SnoopingEntry>
  </ArpSnoopingEntry>
</ARP>

```

Table description

Item	Description
Feature name	ARP
Table name	ArpSnoopingEntry
Table type	Multi-instance table
Row name	SnoopingEntry
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DeviceNode	The information of Device Node	Data structure	Members include: <ul style="list-style-type: none"> Chassis Slot CPUID 	N/A
Chassis	Chassis number	Index	Unsigned integer. Value range: 0 to 65535.	N/A
Slot	Slot number	Index	Unsigned integer. Value range: 0 to 65535.	N/A
CPUID	CPU ID	Index	Unsigned integer. Value range: 0 to 7.	N/A
IfIndex	Interface index.	Index	Unsigned integer.	Layer 2 Ethernet interface Layer 2 aggregate interface
Ipv4Address	IPv4 address	Index	String, dotted decimal notation.	N/A
VLANID	VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094.	N/A

MacAddress	MAC address	N/A	Six groups of two hexadecimal digits, hyphen-separated.	N/A
Status	State of a entry	N/A	Enumeration: <ul style="list-style-type: none"> • 1—Valid. • 2—Invalid. • 3—Collision. 	N/A
AgeTime	The remaining aging time of arp attack defense policy entry	N/A	AgeTime	N/A

ARP/ArpSnooping

This table contains the information about the arp snooping entries.

XML structure

```

<ARP>
  <ArpSnooping>
    <Snooping>
      <VLANID></VLANID>
      <SnoopingEnable></SnoopingEnable>
    </Snooping>
  </ArpSnooping>
</ARP>

```

Table description

Item	Description
Feature name	ARP
Table name	ArpSnooping
Table type	Multi-instance table
Row name	Snooping
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VLANID	VLAN ID	Index	Unsigned integer. Value range: 1 to 4094	N/A
SnoopingEnable	Whether the arp snooping function is supported.	N/A	Boolean: <ul style="list-style-type: none">truefalse	N/A

ARP/ArpInterface

This table contains ARP interface information.

XML structure

```
<ARP>
  <ArpInterface>
    <Interface>
      <IfIndex></IfIndex>
      <ModeUNI></ModeUNI>
    </Interface>
  </ArpInterface>
</ARP>
```

Table description

Item	Description
Feature name	ARP
Table name	ArpInterface
Table type	Multi-instance table
Row name	Interface
Restrictions	VLAN interfaces

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Only VLAN interfaces are supported
ModeUNI	Configure a port as a customer-side port	N/A	Boolean: <ul style="list-style-type: none"> true—Customer-side port. false—Network-side port. 	N/A

ARP/ArpVsiConfig

This table contains ARP VSI configuration information.

XML structure

```

<ARP>
  <ArpVsiConfig>
    <VsiConfig>
      <VrfIndex></VrfIndex>
      <Ipv4Address></Ipv4Address>
      <MacAddress></MacAddress>
      <VsiIfIndex></VsiIfIndex>
      <PortIndex></PortIndex>
      <SrvID></SrvID>
      <VsiName></VsiName>
    </VsiConfig>
  </ArpVsiConfig>
</ARP>

```

Table description

Item	Description
Feature name	ARP
Table name	ArpVsiConfig
Table type	Multi-instance table

Row name	VsiConfig
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VrfIndex	Index of the VRF	Index	Unsigned integer.	Some versions support VRF name. For relevant information, see the XSD document of your product. 0 means public network.
Ipv4Address	IPv4 address	Index	String, dotted decimal notation.	N/A
MacAddress	MAC address	N/A	Six groups of two hexadecimal digits, hyphen-separated.	N/A
VsilfIndex	VSI interface index	N/A	Unsigned integer.	N/A
PortIndex	Port index	N/A	Unsigned integer.	The port can only be a Layer 2 Ethernet interface or a Tunnel interface.
SrvID	Service instance ID	N/A	Unsigned integer. Value range: 1 to 4096.	This field cannot be displayed when the port is a Tunnel interface. It is displayed when the port is a Layer 2 Ethernet interface.
VsiName	VSI name	N/A	String, Length: 1 to 31 characters.	N/A

ARP/ArpRouteAdvertise

This table contains the information about ARP direct route advertisement.

XML structure

```
<ARP>
  <ArpRouteAdvertise>
    <RouteAdvertise>
      <IfIndex></IfIndex>
      <Enable></Enable>
    </RouteAdvertise>
  </ArpRouteAdvertise>
</ARP>
```

Table description

Item	Description
Feature name	ARP
Table name	ArpRouteAdvertise
Table type	Multi-instance table
Row name	RouteAdvertise
Restrictions	This table supports interface types: VE-L3VPN interface VSI interface

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	VE-L3VPN interface VSI interface
Enable	Whether the arp direct route advertise function is enable.	N/A	Boolean: <ul style="list-style-type: none">truefalse	N/A

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ATK

ATK/ClearInterfaceAttackStatistics

This table is used to clear interface ATK statistics.

XML structure

```
<ATK>
  <ClearInterfaceAttackStatistics>
    <Statistics>
      <IfIndex></IfIndex>
      <Clear></Clear>
    </Statistics>
  </ClearInterfaceAttackStatistics>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	ClearInterfaceAttackStatistics
Table type	Multi-instance table
Row name	Statistics
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index	Index	Unsigned integer.
Clear	Clear interface statistics	N/A	This column must be empty.

ATK/ClearLocalAttackStatistics

This table is used to clear local ATK statistics.

XML structure

```
<ATK>
  <ClearLocalAttackStatistics>
    <Clear></Clear>
  </ClearLocalAttackStatistics>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	ClearLocalAttackStatistics
Table type	Single-instance table
Row name	N/A
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions
Clear	Clear local statistics	N/A	This column must be empty.

ATK/ClearZoneAttackStatistics

This table is used to clear ATK statistics for a security zone.

XML structure

```
<ATK>
  <ClearZoneAttackStatistics >
    <Statistics>
      <ZoneID></ZoneID>
      <Clear></Clear>
    </Statistics>
  </ClearZoneAttackStatistics >
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	ClearZoneAttackStatistics

Item	Description
Table type	Multi-instance table
Row name	Statistics
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ZoneID	Security zone ID	Index	Unsigned integer.
Clear	Clear ATK statistics	N/A	This column must be empty.

ATK/Blacklist/IPv4Blacklists

This table is used to clear ipv4blacklist.

XML structure

```

<ATK>
  <Blacklist>
    <IPv4Blacklists>
      <Item>
        <VrfIndex></VrfIndex>
        <Ipv4Address></Ipv4Address>
        <DSLitePeer></DSLitePeer>
        <Clear></Clear>
      </Item>
    </IPv4Blacklists>
  </Blacklist>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	IPv4Blacklists
Table type	Multi-instance table
Row name	Item
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VrfIndex	Vpn index	Index	Unsigned integer.	N/A
Ipv4Address	Ip address	Index	Ipv4 address.	N/A
DSLitePeer	Ip address	Index	Ipv6 address	In DS-Lite network, this parameter refers to B4 addresses. Leave it empty in other circumstances.
Clear	Clear local statistics	N/A	This column must be empty.	N/A

ATK/Blacklist/IPv6Blacklists

This table is used to clear ipv6blacklist.

XML structure

```
<ATK>
  <Blacklist>
    <IPv6Blacklists>
      <Item>
        <VrfIndex></VrfIndex>
        <Ipv6Address></Ipv6Address>
        <Clear></Clear>
      </Item>
    </IPv6Blacklists>
  </Blacklist>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	IPv6Blacklists
Table type	Multi-instance table
Row name	Item
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions
VrfIndex	Vpn index	Index	Unsigned integer.
Ipv6Address	Ip address	Index	Ipv6 address.
Clear	Clear local statistics	N/A	This column must be empty.

ATK/Blacklist/ClearItems

This table is used to clear blacklist items.

XML structure

```
<ATK>
  <Blacklist>
    <ClearItems>
      <Item>
        <AddrFamily></AddrFamily>
        <Clear></Clear>
      </Item>
    </ClearItems>
  </Blacklist>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	ClearItems
Table type	Multi-instance table
Row name	item
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions
AddrFamily	Address family	Index	Enumeration: <ul style="list-style-type: none">• 2—IPv4.• 10—IPv6.

Column name	Column description	Column type	Data type and restrictions
Clear	Clear blacklist items	N/A	This column must be empty.

ATK/Blacklist/ClearStatistics

This table is used to clear blacklist statistics.

XML structure

```
<ATK>
  <Blacklist>
    <ClearStatistics>
      <Clear></Clear>
    </ClearStatistics>
  </Blacklist>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	ClearStatistics
Table type	Single-instance table
Row name	N/A
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions
Clear	Clear blacklist statistics	N/A	This column must be empty.

ATK/ClientVerify/ClearProtectHostStatistics

This table is used to clear client verification protected hosts' statistics.

XML structure

```
<ATK>
```



```

<ClientVerify>
  <ClearProtectHostStatistics>
    <Statistics>
      <VerifyType></VerifyType>
      <AddrFamily></AddrFamily>
      <Clear></Clear>
    </Statistics>
  </ClearProtectHostStatistics>
</ClientVerify>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	ClearProtectHostStatistics
Table type	Multi-instance table
Row name	Statistics
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions
VerifyType	Verification type	Index	Enumeration: <ul style="list-style-type: none"> 0—TCP proxy 1—DNS client verification. 2—HTTP verification. client 3—DNS verification. reply 4—SIP client verification.
AddrFamily	Address family	Index	Enumeration: <ul style="list-style-type: none"> 2—IPv4. 10—IPv6.
Clear	Clear protected hosts' statistics	N/A	This column must be empty.

ATK/ClientVerify/ClearTrustClients

This table is used to clear client verification authenticated clients.

XML structure

```
<ATK>
  <ClientVerify>
    <ClearTrustClients>
      <Client>
        <VerifyType></VerifyType>
        <AddrFamily></AddrFamily>
        <Clear></Clear>
      </Client>
    </ClearTrustClients>
  </ClientVerify>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	ClearTrustClients
Table type	Multi-instance table
Row name	Client
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions
VerifyType	Verification type	Index	Enumeration: <ul style="list-style-type: none">0—TCP proxy1—DNS client verification.2—HTTP verification. client3—DNS verification. reply4—SIP client verification.
AddrFamily	Address family	Index	Enumeration: <ul style="list-style-type: none">2—IPv4.10—IPv6.
Clear	Clear trust clients	N/A	This column must be empty.

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XML structure	34
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Columns	35
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Table description	36
Columns	36

ATK

ATK/Policies

This table is used to operate ATK policies.

XML structure

```
<ATK>
  <Policies>
    <Policy>
      <PolicyName></PolicyName>
    </Policy>
  </Policies>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	Policies
Table type	Multi-instance table
Row name	Policy
Restrictions	None.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of Attack Defense policy	Index	String. Length: 1 to 31 characters.	Case insensitive

ATK/PolicyInterfaces

This table is used to operate ATK policy appliances on interfaces.

XML structure

```
<ATK>
  <PolicyInterfaces>
```

```

    <Apply>
      <IfIndex></IfIndex>
      <PolicyName></PolicyName>
    </Apply>
  </PolicyInterfaces>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	PolicyInterfaces
Table type	Multi-instance table
Row name	Apply
Restrictions	None.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	N/A
PolicyName	Name of Attack Defense policy	N/A	String. Length: 1 to 31 characters.	Case insensitive

ATK/PolicyZones

This table is used to apply an attack defense policy to a security zone.

XML structure

```

<ATK>
  <PolicyZones>
    <Apply>
      <ZoneID></ZoneID>
      <PolicyName></PolicyName>
    </Apply>
  </PolicyZones>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	PolicyZones
Table type	Multi-instance table
Row name	Apply
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ZoneID	Security zone ID	Index	Unsigned integer.	N/A
PolicyName	Attack defense policy name	N/A	String. Length: 1 to 31 characters.	Case insensitive. Valid characters include letters, digits, underscores (_), and hyphens (-).

ATK/PolicyLocal

This table is used to operate local ATK policy appliance.

XML structure

```
<ATK>
  <PolicyLocal>
    <PolicyName></PolicyName>
  </PolicyLocal>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	PolicyLocal
Table type	Single-instance table
Row name	N/A
Restrictions	None.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of Attack Defense policy	N/A	String. Length: 1 to 31 characters.	Case insensitive

ATK/IPv4Exempts

This table contains IPv4 exemption information

XML structure

```
<ATK>
  <IPv4Exempts>
    <Exempt>
      <PolicyName></PolicyName>
      <AclNum></AclNum>
      <AclName></AclName>
    </Exempt>
  </IPv4Exempts>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	IPv4Exempts
Table type	Multi-instance table
Row name	Exempt
Restrictions	None.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of Attack Defense policy	Index	String. Length: 1 to 31 characters.	Case insensitive
AclNum	Acl number	N/A	Unsigned integer. Value range: 2000 to 3999	AclNum and AclName are

Column name	Column description	Column type	Data type and restrictions	Remarks
				mutual exclusive and only one of them can be set in a single message.
AclName	Acl name	N/A	String. Length: 1 to 63 characters.	AclNum and AclName are mutual exclusive and only one of them can be set in a single message.

ATK/IPv6Exempts

This table contains IPv6 exemption information

XML structure

```

<ATK>
  <IPv6Exempts>
    <Exempt>
      <PolicyName></PolicyName>
      <AclNum></AclNum>
      <AclName></AclName>
    </Exempt>
  </IPv6Exempts>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	IPv6Exempts
Table type	Multi-instance table
Row name	Exempt
Restrictions	None.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of Attack Defense policy	Index	String. Length: 1 to 31 characters.	Case insensitive
AclNum	Acl number	N/A	Unsigned integer. Value range: 2000 to 3999	AclNum and AclName are mutual exclusive and only one of them can be set in a single message.
AclName	Acl name	N/A	String. Length: 1 to 63 characters.	AclNum and AclName are mutual exclusive and only one of them can be set in a single message.

ATK/Scan/Policies

This table contains scan policy information.

XML structure

```

<ATK>
  <Scan>
    <Policies>
      <Policy>
        <PolicyName></PolicyName>
        <Level></Level>
        <UserDefinedCfg>
          <PortScanEnable></PortScanEnable>
          <PortScanThreshold></PortScanThreshold>
          <IPSweepEnable></IPSweepEnable>
          <IPSweepThreshold></IPSweepThreshold>
          <Period></Period>
        </UserDefinedCfg>
        <Log></Log>
        <Drop></Drop>
        <BlockSource>
          <Enable></Enable>
          <BlockTime></BlockTime>
        </BlockSource>
      </Policy>
    </Policies>
  </Scan>
</ATK>

```

</Scan>
</ATK>

Table description

Item	Description
Feature name	ATK
Table name	Policies
Table type	Multi-instance table
Row name	Policy
Restrictions	None.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of Attack Defense policy	Index	String,case-insensitive. Length: 1 to 31 characters.	N/A
Level	Scan detect level	N/A	Enumeration: <ul style="list-style-type: none">• 0—Don't detect.• 1—Low sensibility.• 2—Middle sensibility.• 3—High sensibility.• 4—User defined sensibility.	UserDefinedCfg and its members are available only in scan detect level 4.
UserDefinedCfg	Custom scan detection configuration.	Data struct	Members include: <ul style="list-style-type: none">• PortScanEnable• PortScanThreshold• IPSweepEnable• IPSweepThreshold Period	N/A
PortScanEnable	Port scan detection switch.	N/A	Boolean: <ul style="list-style-type: none">• true.• false.	Default is false.
PortScanThreshold	Port scan detection threshold.	N/A	Signed integer. Value range: 1 to 1000000000 pps.	Value must be set if PortScanEnable is true.
IPSweepEnable	IP sweep detection switch.	N/A	Boolean: <ul style="list-style-type: none">• true.• false.	Default is false.
IPSweepThreshold	IP sweep detection threshold.	N/A	Signed integer. Value range: 1 to 1000000000 pps.	Value must be set if IPSweepEnable is true.

Column name	Column description	Column type	Data type and restrictions	Remarks
Period	Detection cycle.	N/A	Signed integer. Value range: 1 to 1000000000 seconds.	Default detection cycle is 10 seconds.
Log	Log switch	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	Default is false.
Drop	Drop packet switch	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	Default is false. Drop and BlockSource are mutually exclusive and only one of them can be set in a single message.
BlockSource	Block source configs	Data struct	Members include: <ul style="list-style-type: none"> • Enable • BlockTime 	Drop and BlockSource are mutually exclusive and only one of them can be set in a single message.
Enable	Block source switch.	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	Default is false.
BlockTime	Source block duration.	N/A	Unsigned integer, value range 1 to 1000 minutes.	Default is 10 minutes. When and only when Enable is true, this column is useful.

ATK/Flood/DefaultConfigs

This table contains flood default configurations.

XML structure

```

<ATK>
  <Flood>
    <DefaultConfigs>
      <Config>
        <PolicyName></PolicyName>
        <MainType></MainType>
        <SubType></SubType>
        <Log></Log>
        <Drop></Drop>
        <ClientVerify></ClientVerify>
        <Threshold></Threshold>

```

```

    <MonitorPort></MonitorPort>
    <NonSpecificSwitch></NonSpecificSwitch>
  </Config>
</DefaultConfigs>
</Flood>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	DefaultConfigs
Table type	Multi-instance table
Row name	Config
Restrictions	None.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of Attack Defense policy	Index	String. Length: 1 to 31 characters.	Case insensitive
Maintype	Main flood type	Index	Enumeration: <ul style="list-style-type: none"> 0—Transport layer flood. 1—Application layer flood. 	N/A
SubType	Sub flood type	Index	Enumeration, value range varies according to MainType. For transport layer flood: <ul style="list-style-type: none"> 0—SYN flood. 1—ACK flood. 2—SYN-ACK flood. 3—RESET flood. 4—FIN flood. 5—UDP flood. 6—ICMP flood. 7—ICMPv6 flood. For application layer flood: <ul style="list-style-type: none"> 0—DNS flood. 1—HTTP flood. 2—DNS reply flood. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 3—SIP flood. 	
Log	Log switch	N/A	Boolean: <ul style="list-style-type: none"> true false 	Default is false.
Drop	Drop packet switch	N/A	Boolean: <ul style="list-style-type: none"> true false 	Default is false.
ClientVerify	Client verification switch	N/A	Boolean: <ul style="list-style-type: none"> true false 	Default is false.
Threshold	Flood detect threshold	N/A	Signed integer, value range: 1 to 1000000 pps.	Default value is 1000
MonitorPort	Monitor service port range	N/A	Port range string, port value range: 1 to 65535.	Support Application layer only for now. For http flood, default monitored port is 80. For DNS flood, default monitored port is 53. For SIP flood, default monitored port is 5060. For example, "80,8000-8080" can be set as default monitored ports for http flood detecting. At most specify a maximum of 32 port items.
NonSpecificSwitch	Non specific protect hosts detect switch	N/A	Boolean: <ul style="list-style-type: none"> true false 	Default value is false which means only detect protect hosts.

ATK/Flood/IPv4ProtectHosts

This table contains IPv4 flood protect hosts information.

XML structure

```
<ATK>
  <Flood>
    <IPv4ProtectHosts>
      <Host>
        <PolicyName></PolicyName>
        <MainType></MainType>
        <SubType></SubType>
        <VrfName></VrfName>
        <Ipv4Address></Ipv4Address>
        <Threshold></Threshold>
        <Log></Log>
        <Drop></Drop>
        <ClientVerify></ClientVerify>
        <MonitorPort></MonitorPort>
      </Host>
    </IPv4ProtectHosts>
  </Flood>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	IPv4ProtectHosts
Table type	Multi-instance table
Row name	Host
Restrictions	None.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of Attack Defense policy	Index	String. Length: 1 to 31 characters.	Case insensitive
Maintype	Main flood type	Index	Enumeration: <ul style="list-style-type: none">0—Transport layer flood.1—Application layer flood.	N/A
SubType	Sub flood type	Index	Enumeration, value range varies according to MainType.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<p>For transport layer flood:</p> <ul style="list-style-type: none"> • 0—SYN flood. • 1—ACK flood. • 2—SYN-ACK flood. • 3—RESET flood. • 4—FIN flood. • 5—UDP flood. • 6—ICMP flood. • 7—ICMPv6 flood. <p>For application layer flood:</p> <ul style="list-style-type: none"> • 0—DNS flood. • 1—HTTP flood. • 2—DNS reply flood. • 3—SIP flood. 	
VrfName	Vrf name	Index	String. Length: 0 to 31 characters.	Case sensitive, empty represents public vrf.
Ipv4Address	IPv4 protected host address	Index	IPv4 address.	N/A
Threshold	Flood detect threshold	N/A	Signed integer, value range: 1 to 1000000 pps.	N/A
Log	Log switch	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	No default value. Should be configured along with drop and clientverify column.
Drop	Drop packet switch	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	No default value. Should be configured along with log and clientverify column.
ClientVerify	Client verification switch	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	No default value. Should be configured along with log and drop column.
MonitorPort	Monitor service port range	N/A	Port range string, port value range: 1 to 65535.	Support Application layer only for now. At most specify a maximum of 24 port items.

ATK/Flood/IPv6ProtectHosts

This table contains IPv6 flood protect hosts information.

XML structure

```
<ATK>
  <Flood>
    <IPv6ProtectHosts>
      <Host>
        <PolicyName></PolicyName>
        <MainType></MainType>
        <SubType></SubType>
        <VrfName></VrfName>
        <Ipv6Address></Ipv6Address>
        <Threshold></Threshold>
        <Log></Log>
        <Drop></Drop>
        <ClientVerify></ClientVerify>
        <MonitorPort></MonitorPort>
      </Host>
    </IPv6ProtectHosts>
  </Flood>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	IPv6ProtectHosts
Table type	Multi-instance table
Row name	Host
Restrictions	None.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of Attack Defense policy	Index	String. Length: 1 to 31 characters.	Case insensitive
Maintype	Main flood type	Index	Enumeration: <ul style="list-style-type: none">0—Transport layer flood.1—Application layer	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			flood.	
SubType	Sub flood type	Index	<p>Enumeration, value range varies according to MainType.</p> <p>For transport layer flood:</p> <ul style="list-style-type: none"> • 0—SYN flood. • 1—ACK flood. • 2—SYN-ACK flood. • 3—RESET flood. • 4—FIN flood. • 5—UDP flood. • 6—ICMP flood. • 7—ICMPv6 flood. <p>For application layer flood:</p> <ul style="list-style-type: none"> • 0—DNS flood. • 1—HTTP flood. • 2—DNS reply flood. • 3—SIP flood. 	N/A
VrfName	Vrf name	Index	String. Length: 0 to 31 characters.	Case sensitive, empty represents public vrf.
Ipv6Address	IPv6 protected host address	Index	IPv6 address.	N/A
Threshold	Flood detect threshold	N/A	Signed integer, value range: 1 to 1000000 pps.	N/A
Log	Log switch	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	No default value. Should be configured along with drop and clientverify column.
Drop	Drop packet switch	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	No default value. Should be configured along with log and clientverify column.
ClientVerify	Client verification switch	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	No default value. Should be configured along with log and drop column.
MonitorPort	Monitor service port range	N/A	Port range string, port value range: 1 to 65535.	Support Application layer only for now. At most specify a maximum of 24 port items.

ATK/Flood/LearnItems

This table contains flow threshold learning information.

XML structure

```
<ATK>
  <Flood>
    <LearnItems>
      <Item>
        <PolicyName></PolicyName>
        <Status></Status>
        <TimeValue></TimeValue>
        <Mode></Mode>
        <IntervalValue></IntervalValue>
        <AutoApply></AutoApply>
        <Scope></Scope>
      </Item>
    </LearnItems>
  </Flood>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	LearnItems
Table type	Multi-instance table
Row name	Item
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of the attack defense policy	Index	String, case-insensitive. Length: 1 to 31 characters.	N/A
Status	Learning switch	N/A	Boolean: <ul style="list-style-type: none">truefalse	Default is false.
TimeValue	Time value	N/A	Unsigned integer.	Default is 1440

Column name	Column description	Column type	Data type and restrictions	Remarks
			Value range: 1 to 1200000 minutes.	minutes.
Mode	Learning mode	N/A	Enumeration: <ul style="list-style-type: none"> 0—Single. 1—Cycle. 	N/A
IntervalValue	Interval value for cycle mode	N/A	Unsigned integer, value range: 1 to 1200000 minutes.	When and only when mode is cycle, this column is useful. Default is 1440 minutes.
AutoApply	Auto application switch	N/A	Boolean: <ul style="list-style-type: none"> true false 	Default is false.
Scope	Deviation of study result	N/A	Unsigned integer. Value range: 0 to 4000.	Only when AutoApply is true, this column is useful. Default is 50.

ATK/Signature/Detects

This table contains signature detects' information.

XML structure

```

<ATK>
  <Signature>
    <Detects>
      <Detect>
        <PolicyName></PolicyName>
        <MainType></MainType>
        <SubType></SubType>
        <Log></Log>
        <Drop></Drop>
      </Detect>
    </Detects>
  </Signature>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	Detects

Item	Description
Table type	Multi-instance table
Row name	Detect
Restrictions	None.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of Attack Defense policy	Index	String. Length: 1 to 31 characters.	Case insensitive
Maintype	Main signature type	Index	Enumeration: <ul style="list-style-type: none"> 0—Named single packet attack. 1—IP option single packet attack. 2—ICMP single packet attack. 3—ICMPv6 single packet attack. 4—IPv6 extend header attack. 	N/A
SubType	Sub signature type	Index	Enumeration, value range varies according to MainType. For named single packet attack: <ul style="list-style-type: none"> 0—IP fragment. 1—IP impossible. 2—Teardrop 3—Tiny fragment 4—Abnormal 5—Smurf 6—Trace route 7—Ping of death 8—Large ICMP 9—Large ICMPv6 10—TCP invalid flags 11—TCP null flag 12—TCP all flags 13—TCP SYN FIN flags 14—TCP FIN only 15—Land 16—Winnuke 17—UDP bomb 18—Snork 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 19—Fraggle <p>For IP option single packet attack, SubType is the IP option value, range: 0 to 255.</p> <ul style="list-style-type: none"> 7—Record route option. 68—Timestamp option. 130—Security option. 131—Loose source routing option. 136—Stream identifier option. 137—Strict source route option. 148—Route alert option. <p>For ICMP single packet attack, SubType is the ICMP type value, range: 0 to 255.</p> <ul style="list-style-type: none"> 8—ICMP echo request. 0—ICMP echo reply. 4—ICMP source quench. 3—ICMP destination unreachable. 5—ICMP redirect. 11—ICMP time exceeded. 12—ICMP parameter problem. 13—ICMP timestamp request. 14—ICMP timestamp reply. 15—ICMP information request. 16—ICMP information reply. 17—ICMP address mask request. 18—ICMP address mask reply. <p>For ICMPv6 single packet attack, SubType is the ICMPv6 type value, range: 0 to 255.</p> <ul style="list-style-type: none"> 128—ICMPv6 echo 	

Column name	Column description	Column type	Data type and restrictions	Remarks
			request. <ul style="list-style-type: none"> • 129—ICMPv6 echo reply. • 130—ICMPv6 group query. • 131—ICMPv6 group report. • 132—ICMPv6 group reduction. • 1—ICMPv6 destination unreachable. • 3—ICMPv6 time exceeded. • 4—ICMPv6 parameter problem. • 2—ICMPv6 packet too big. For IPv6 extend header single packet attack, SubType is the header type value, range: 0 to 255.	
Log	Log switch	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	Default is false.
Drop	Drop packet switch	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	Default is false.

ATK/Signature/LargeICMPLength

This table contains large ICMP and ICMPv6 signature information.

XML structure

```

<ATK>
  <Signature>
    <LargeICMPLength>
      <Policy>
        <PolicyName></PolicyName>
        <IPv4Threshold></IPv4Threshold>
        <IPv6Threshold></IPv6Threshold>
      </Policy>
    </LargeICMPLength>
  </Signature>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	LargeICMPLength
Table type	Multi-instance table
Row name	Policy
Restrictions	None.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of Attack Defense policy	Index	String. Length: 1 to 31 characters.	Case insensitive
IPv4Threshold	ICMP packet length threshold	N/A	Unsigned integer, value range: 28 to 65534 bytes.	Default is 4000 bytes.
IPv6Threshold	ICMPv6 packet length threshold	N/A	Unsigned integer, value range: 48 to 65534 bytes.	Default is 4000 bytes.

ATK/Signature/LevelActions

This table contains signature level action information.

XML structure

```
<ATK>
  <Signature>
    <LevelActions>
      <LevelAction>
        <PolicyName></PolicyName>
        <Level></Level>
        <Log></Log>
        <Drop></Drop>
      </LevelAction>
    </LevelActions>
  </Signature>
</ATK>
```


Table description

Item	Description
Feature name	ATK
Table name	LevelActions
Table type	Multi-instance table
Row name	LevelAction
Restrictions	None.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of Attack Defense policy	Index	String. Length: 1 to 31 characters.	Case insensitive
Level	Severity level	Index	Enumeration: <ul style="list-style-type: none">• 0—Information.• 1—Low.• 2—Medium.• 3—High.	N/A
Log	Log switch	N/A	Boolean: <ul style="list-style-type: none">• true• false	Default value is true
Drop	Drop packet switch	N/A	Boolean: <ul style="list-style-type: none">• true• false	The default value varies by severity level. For information level or low level, default value is false. For medium level or high level default value is true.

ATK/Signature/LogAggregate

This table contains signature log aggregation information.

XML structure

```
<ATK>
  <Signature>
    <LogAggregate>
      <Enable></Enable>
```

```

    </LogAggregate>
  </Signature>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	LogAggregate
Table type	Single-instance table
Row name	N/A
Restrictions	None.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Enable	Log aggregate switch.	N/A	Boolean: <ul style="list-style-type: none"> true false 	Default is true.

ATK/Blacklist/IPv4Blacklists

This table contains IPv4 blacklist information.

XML structure

```

<ATK>
  <Blacklist>
    <IPv4Blacklists>
      <Item>
        <VrfIndex></VrfIndex>
        <Ipv4Address></Ipv4Address>
        <DSLitePeer></DSLitePeer>
        <TTL></TTL>
      </Item>
    </IPv4Blacklists>
  </Blacklist>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	IPv4Blacklists
Table type	Multi-instance table
Row name	Item
Restrictions	None.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VrfIndex	Vrf index	Index	Unsigned integer, 0 represents public vrf.	N/A
Ipv4Address	IPv4 blacklist address	Index	IPv4 address.	N/A
DSLitePeer	DS-Lite tunnel peer address	Index	IPv6 address.	In DS-Lite network, this parameter refers to B4 addresses. Leave it empty in other circumstances.
TTL	Time to live	N/A	Unsigned integer, unit second, value range: 60 to 60000 second.	N/A

ATK/Blacklist/IPv6Blacklists

This table contains IPv6 blacklist information.

XML structure

```
<ATK>
  <Blacklist>
    <IPv6Blacklists>
      <Item>
        <VrfIndex></VrfIndex>
        <Ipv6Address></Ipv6Address>
        <TTL></TTL>
      </Item>
    </IPv6Blacklists>
  </Blacklist>
</ATK>
```

```

    </Blacklist>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	IPv6Blacklists
Table type	Multi-instance table
Row name	Item
Restrictions	None.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
VrfIndex	Vrf index	Index	Unsigned integer, 0 represents public vrf.
Ipv6Address	IPv6 blacklist address	Index	IPv6 address.
TTL	Time to live	N/A	Unsigned integer, unit second, value range: 60 to 60000 second.

ATK/Blacklist/InterfaceSwitches

This table contains blacklist interface switch information.

XML structure

```

<ATK>
  <Blacklist>
    <InterfaceSwitches>
      <Switch>
        <IfIndex></IfIndex>
        <Enable></Enable>
      </Switch>
    </InterfaceSwitches>
  </Blacklist>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	InterfaceSwitches
Table type	Multi-instance table
Row name	Switch
Restrictions	None.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	N/A
Enable	Blacklist switch.	N/A	Boolean: <ul style="list-style-type: none">• true• false	Default is false.

ATK/Blacklist/ZoneSwitches

This table is used to configure the blacklist for a security zone.

XML structure

```
<ATK>
  <Blacklist>
    <ZoneSwitches>
      <Switch>
        <ZoneID></ZoneID>
        <Enable></Enable>
      </Switch>
    </ZoneSwitches>
  </Blacklist>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	ZoneSwitches
Table type	Multi-instance table
Row name	Switch

Item	Description
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
ZoneID	Security zone ID	Index	Unsigned integer.
Enable	Whether to enable the blacklist	N/A	Boolean: <ul style="list-style-type: none"> true—Enables the blacklist. false—Disables the blacklist (default).

ATK/Blacklist/GlobalConfigs

This table contains blacklist global configuration information.

XML structure

```

<ATK>
  <Blacklist>
    <GlobalConfigs>
      <Enable></Enable>
      <Log></Log>
    </GlobalConfigs>
  </Blacklist>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	GlobalConfigs
Table type	Single-instance table
Row name	N/A
Restrictions	None.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Enable	Global switch.	N/A	Boolean: <ul style="list-style-type: none">• true• false	Default is false.
Log	Log switch	N/A	Boolean: <ul style="list-style-type: none">• true• false	Default is false.

ATK/Whitelist/IPv4ObjItems

This table contains IPv4 whitelist information.

XML structure

```
<ATK>
  <Whitelist>
    <IPv4ObjItems>
      <Item>
        <ObjGrpName></ObjGrpName>
      </Item>
    </IPv4ObjItems>
  </Whitelist>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	IPv4ObjItems
Table type	Multi-instance table
Row name	Item
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ObjGrpName	Object group IP Name	Index	String, case insensitive.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			Length: 1 to 31 characters.	

ATK/Whitelist/IPv6ObjItems

This table contains IPv6 whitelist information.

XML structure

```

<ATK>
  <Whitelist>
    <IPv6ObjItems>
      <Item>
        <ObjGrpName></ObjGrpName>
      </Item>
    </IPv6ObjItems>
  </Whitelist>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	IPv6ObjItems
Table type	Multi-instance table
Row name	Item
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ObjGrpName	Object group IPv6 Name	Index	String, case insensitive. Length: 1 to 31 characters.	N/A

ATK/Whitelist/InterfaceSwitches

This table is used to configure the whitelist for an interface.

XML structure

```
<ATK>
  <Whitelist>
    <InterfaceSwitches>
      <Switch>
        <IfIndex></IfIndex>
        <Enable></Enable>
      </Switch>
    </InterfaceSwitches>
  </Whitelist>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	InterfaceSwitches
Table type	Multi-instance table
Row name	Switch
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
Enable	Enable or disable	N/A	Boolean:	Default is false.

Column name	Column description	Column type	Data type and restrictions	Remarks
	the whitelist function		<ul style="list-style-type: none"> true false 	

ATK/Whitelist/ZoneSwitches

This table is used to configure the whitelist for a security zone.

XML structure

```

<ATK>
  <Whitelist>
    <ZoneSwitches>
      <Switch>
        <ZoneID></ZoneID>
        <Enable></Enable>
      </Switch>
    </ZoneSwitches>
  </Whitelist>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	ZoneSwitches
Table type	Multi-instance table
Row name	Switch
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ZoneID	Security zone ID	Index	Unsigned integer.	N/A
Enable	Enable or disable the whitelist	N/A	Boolean: <ul style="list-style-type: none"> true false 	Default is false.

ATK/Whitelist/GlobalSwitches

This table contains whitelist global switch information.

XML structure

```
<ATK>
  <Whitelist>
    <GlobalSwitches>
      <Enable></Enable>
    </GlobalSwitches>
  </Whitelist>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	GlobalSwitches
Table type	Single-instance table
Row name	N/A
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Enable	Enable or disable the global configuration.	N/A	Boolean: <ul style="list-style-type: none">truefalse	Default is false.

ATK/ClientVerify/Switches

This table contains client verification switch information.

XML structure

```
<ATK>
  <ClientVerify>
    <Switches>
      <Switch>
        <IfIndex></IfIndex>
      </Switch>
    </Switches>
  </ClientVerify>
</ATK>
```

```

    <VerifyType></VerifyType>
    <VerifyMode></VerifyMode>
  </Switch>
</Switches>
</ClientVerify>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	Switches
Table type	Multi-instance table
Row name	Switch
Restrictions	None.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index	Index	Unsigned integer.
VerifyType	Verification type	Index	Enumeration: <ul style="list-style-type: none"> 0—TCP proxy 1—DNS client verification. 2—HTTP verification. client 3—DNS verification. reply 4—SIP client verification.
VerifyMode	Verification mode	N/A	Enumeration, value range varies according to MainType. For TCP proxy: <ul style="list-style-type: none"> 0—Shutdown. 1—SYN cookie. 2—Safe reset. For DNS client verification: <ul style="list-style-type: none"> 0—Shutdown. 1—Truncate. For HTTP client verification:

Column name	Column description	Column type	Data type and restrictions
			<ul style="list-style-type: none"> • 0—Shutdown. • 1—Redirection. <p>For DNS reply verification:</p> <ul style="list-style-type: none"> • 0—DNS request. <p>For SIP client verification:</p> <ul style="list-style-type: none"> • 0—Shutdown. • 1—Redirection.

ATK/ClientVerify/ZoneSwitches

This table is used to configure client verification for a security zone.

XML structure

```

<ATK>
  <ClientVerify>
    <ZoneSwitches>
      <Switch>
        <ZoneID></ZoneID>
        <VerifyType></VerifyType>
        <VerifyMode></VerifyMode>
      </Switch>
    </ZoneSwitches>
  </ClientVerify>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	ZoneSwitches
Table type	Multi-instance table
Row name	Switch
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
ZoneID	Security zone ID	Index	Unsigned integer.
VerifyType	Verification type	Index	Enumeration: <ul style="list-style-type: none"> • 0—TCP proxy. • 1—DNS client verification. • 2—HTTP client verification. • 3—DNS reply verification. • 4—SIP client verification.
VerifyMode	Verification mode	N/A	Enumeration: For TCP proxy: <ul style="list-style-type: none"> • 0—Shutdown. • 1—SYN cookie. • 2—Safe reset. For DNS client verification: <ul style="list-style-type: none"> • 0—Shutdown. • 1—Truncation. For HTTP client verification: <ul style="list-style-type: none"> • 0—Shutdown. • 1—Redirection. For DNS reply verification: <ul style="list-style-type: none"> • 0—DNS request. For SIP client verification: <ul style="list-style-type: none"> • 0—Shutdown. • 1—Redirection.

ATK/ClientVerify/IPv4ProtectHosts

This table contains IPv4 client verification protect hosts information.

XML structure

```

<ATK>
  <ClientVerify>
    <IPv4ProtectHosts>
      <Host>
        <VerifyType></VerifyType>
        <VrfIndex></VrfIndex>
        <Ipv4Address></Ipv4Address>
        <PortNumber></PortNumber>
      </Host>
    </IPv4ProtectHosts>
  </ClientVerify>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	IPv4ProtectHosts
Table type	Multi-instance table
Row name	Host
Restrictions	None.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VerifyType	Verification type	Index	Enumeration: <ul style="list-style-type: none">0—TCP proxy1—DNS client verification.2—HTTP client verification.3—DNS reply verification.4—SIP client verification.	N/A
VrfIndex	Vrf index	Index	Unsigned integer, 0 represents public vrf.	N/A
Ipv4Address	Host address	Index	IPv4 address.	N/A
PortNumber	Port number	Index	Unsigned integer. The value range varies by verification type. For TCP proxy: 0-65535 For DNS, HTTP and SIP client verification: 1-65535	For TCP proxy, port number 0 is available which means that any hosts connected to any service port will be monitored. For DNS, HTTP and SIP client verification, port number 0 is unavailable.

ATK/ClientVerify/IPv6ProtectHosts

This table contains IPv6 client verification protect hosts information.

XML structure

```
<ATK>
  <ClientVerify>
    <IPv6ProtectHosts>
      <Host>
        <VerifyType></VerifyType>
        <VrfIndex></VrfIndex>
        <Ipv6Address></Ipv6Address>
        <PortNumber></PortNumber>
      </Host>
    </IPv6ProtectHosts>
  </ClientVerify>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	IPv6ProtectHosts
Table type	Multi-instance table
Row name	Host
Restrictions	None.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VerifyType	Verification type	Index	Enumeration: <ul style="list-style-type: none">0—TCP proxy1—DNS client verification.2—HTTP verification. client3—DNS verification. reply4—SIP client verification.	N/A
VrfIndex	Vrf index	Index	Unsigned integer, 0 represents public vrf.	N/A
Ipv6Address	Host address	Index	IPv6 address.	N/A
PortNumber	Port number	Index	Unsigned integer. The value range varies by verification type. For TCP proxy:	Zero can be set only when TCP proxy is specified, which means detect all

Column name	Column description	Column type	Data type and restrictions	Remarks
			0-65535 For DNS, HTTP and SIP client verification: 1-65535	service ports.

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ATK

ATK/Policies

This table is used to operate ATK policies.

XML structure

```
<ATK>
  <Policies>
    <Policy>
      <PolicyName></PolicyName>
    </Policy>
  </Policies>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	Policies
Table type	Multi-instance table
Row name	Policy
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of Attack Defense policy	Index	String. Length: 1 to 31 characters.	Case insensitive

ATK/PolicyInterfaces

This table is used to operate ATK policy appliances on interfaces.

XML structure

```
<ATK>
  <PolicyInterfaces>
    <Apply>
```

```

    <IfIndex></IfIndex>
    <PolicyName></PolicyName>
  </Apply>
</PolicyInterfaces>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	PolicyInterfaces
Table type	Multi-instance table
Row name	Apply
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	N/A
PolicyName	Name of Attack Defense policy	N/A	String. Length: 1 to 31 characters.	Case insensitive

ATK/PolicyZoneApplies

This table contains information about the application of an attack defense policy to security zones.

XML structure

```

<ATK>
  <PolicyZoneApplies>
    <Apply>
      <PolicyName></PolicyName>
      <ZoneID></ZoneID>
    </Apply>
  </PolicyZoneApplies>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	PolicyZoneApplies

Item	Description
Table type	Multi-instance table
Row name	Apply
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ZoneID	Security zone ID	Index	Unsigned integer.	N/A
PolicyName	Attack defense policy name	N/A	String. Length: 1 to 31 characters.	Case insensitive. Valid characters include letters, digits, underscores (_), and hyphens (-).

ATK/PolicyZones

This table contains information about the attack defense policy applied to a security zone.

XML structure

```

<ATK>
  <PolicyZones>
    <Apply>
      <ZoneID></ZoneID>
      <PolicyName></PolicyName>
    </Apply>
  </PolicyZones>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	PolicyZones
Table type	Multi-instance table
Row name	Apply
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ZoneID	Security zone ID	Index	Unsigned integer.	N/A
PolicyName	Attack defense policy name	N/A	String. Length: 1 to 31 characters.	Case insensitive. Valid characters include letters, digits, underscores (_), and hyphens (-).

ATK/PolicyApplies

This table is used to operate ATK policy appliances on interfaces.

XML structure

```
<ATK>
  <PolicyApplies>
    <Entity>
      <PolicyName></PolicyName>
      <IfIndex></IfIndex>
    </Entity>
  </PolicyApplies>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	PolicyApplies
Table type	Multi-instance table
Row name	Entity
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of Attack Defense policy	Index	String. Length: 1 to 31 characters.	Case insensitive
IfIndex	Interface index	Index	Unsigned integer.	N/A

ATK/PolicyLocal

This table is used to operate local ATK policy appliance.

XML structure

```
<ATK>
  <PolicyLocal>
    <PolicyName></PolicyName>
  </PolicyLocal>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	PolicyLocal
Table type	Single-instance table
Row name	N/A
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of Attack Defense policy	N/A	String. Length: 1 to 31 characters.	Case insensitive

ATK/IPv4Exempts

This table contains IPv4 exemption information

XML structure

```
<ATK>
  <IPv4Exempts>
    <Exempt>
      <PolicyName></PolicyName>
      <AclNum></AclNum>
      <AclName></AclName>
    </Exempt>
  </IPv4Exempts>
</ATK>
```

```

    </Exempt>
  </IPv4Exempts>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	IPv4Exempts
Table type	Multi-instance table
Row name	Exempt
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of Attack Defense policy	Index	String. Length: 1 to 31 characters.	Case insensitive
AclNum	Acl number	N/A	Unsigned integer. Value range: 2000 to 3999	AclNum and AclName are mutual exclusive and only one of them can be set in a single message.
AclName	Acl name	N/A	String. Length: 1 to 63 characters.	AclNum and AclName are mutual exclusive and only one of them can be set in a single message.

ATK/IPv6Exempts

This table contains IPv6 exemption information

XML structure

```

<ATK>
  <IPv6Exempts>
    <Exempt>
      <PolicyName></PolicyName>
      <AclNum></AclNum>
      <AclName></AclName>
    </Exempt>
  </IPv6Exempts>
</ATK>

```

```

    </Exempt>
  </IPv6Exempts>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	IPv6Exempts
Table type	Multi-instance table
Row name	Exempt
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of Attack Defense policy	Index	String. Length: 1 to 31 characters.	Case insensitive
AclNum	Acl number	N/A	Unsigned integer. Value range: 2000 to 3999	AclNum and AclName are mutual exclusive and only one of them can be set in a single message.
AclName	Acl name	N/A	String. Length: 1 to 63 characters.	AclNum and AclName are mutual exclusive and only one of them can be set in a single message.

ATK/InterfaceAttackStatistics

This table contains interface attack statistics.

XML structure

```

<ATK>
  <InterfaceAttackStatistics>
    <Statistics>
      <IfIndex></IfIndex>
      <Chassis></Chassis>
      <Slot></Slot>
    </Statistics>
  </InterfaceAttackStatistics>
</ATK>

```

```

    <CPUID></CPUID>
    <MainType></MainType>
    <SubType></SubType>
    <AtkTimes></AtkTimes>
    <DropCnt></DropCnt>
  </Statistics>
</InterfaceAttackStatistics>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	InterfaceAttackStatistics
Table type	Multi-instance table
Row name	Statistics
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index	Index	Unsigned integer.
Chassis	ID of the member where the interface resides	Index	Unsigned integer. Value range: 0 to 65535.
Slot	Slot ID of the interface	Index	Unsigned integer. Value range: 0 to 65535.
CPUID	CPU ID	Index	Unsigned integer. Value range: 0 to 7.
Maintype	Main attack type	Index	Enumeration: <ul style="list-style-type: none"> • 0—Scan. • 1—Transport layer flood. • 2—Application layer flood. • 3—Named single packet attack. • 4—IP option single packet attack. • 5—ICMP single packet attack. • 6—ICMPv6 single packet attack. • 7—IPv6 extend header attack.
SubType	Sub attack type	Index	Enumeration, value range

Column name	Column description	Column type	Data type and restrictions
			<p>varies according to MainType.</p> <p>For scan:</p> <ul style="list-style-type: none"> • 0—Port scan. • 1—IP sweep. • 2—Distributed IP sweep. <p>For transport layer flood:</p> <ul style="list-style-type: none"> • 0—SYN flood. • 1—ACK flood. • 2—SYN-ACK flood. • 3—RESET flood. • 4—FIN flood. • 5—UDP flood. • 6—ICMP flood. • 7—ICMPv6 flood. <p>For application layer flood:</p> <ul style="list-style-type: none"> • 0—DNS flood. • 1—HTTP flood. • 2—DNS reply flood. • 3—SIP flood. <p>For named single packet attack:</p> <ul style="list-style-type: none"> • 0—IP fragment. • 1—IP impossible. • 2—Teardrop • 3—Tiny fragment • 4—Abnormal • 5—Smurf • 6—Trace route • 7—Ping of death • 8—Large ICMP • 9—Large ICMPv6 • 10—TCP invalid flags • 11—TCP null flag • 12—TCP all flags • 13—TCP SYN FIN flags • 14—TCP FIN only • 15—Land • 16—Winnuke • 17—UDP bomb • 18—Snork • 19—Fraggle <p>For IP option single packet</p>

Column name	Column description	Column type	Data type and restrictions
			<p>attack, SubType is the IP option value, range: 0 to 255.</p> <p>For ICMP single packet attack, SubType is the ICMP type value, range: 0 to 255.</p> <p>For ICMPv6 single packet attack, SubType is the ICMPv6 type value, range: 0 to 255.</p> <p>For IPv6 extend header single packet attack, SubType is the header type value, range: 0 to 255.</p>
AtkTimes	Attack times	N/A	Unsigned integer.
DropCnt	Dropped packet count	N/A	Unsigned integer.

ATK/ZoneAttackStatistics

This table contains attack statistics for a security zone.

XML structure

```

<ATK>
  <ZoneAttackStatistics>
    <Statistics>
      <ZoneID></ZoneID>
      <Chassis></Chassis>
      <Slot></Slot>
      <CPUID></CPUID>
      <MainType></MainType>
      <SubType></SubType>
      <AtkTimes></AtkTimes>
      <DropCnt></DropCnt>
    </Statistics>
  </ZoneAttackStatistics>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	ZoneAttackStatistics
Table type	Multi-instance table
Row name	Statistics
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ZoneID	Security zone ID	Index	Unsigned integer.
Chassis	Chassis ID	Index	Unsigned integer. Value range: 0 to 65535.
Slot	Slot ID	Index	Unsigned integer. Value range: 0 to 65535.
CPUID	CPU ID	Index	Unsigned integer. Value range: 0 to 7.
Maintype	Main attack type	Index	Enumeration: <ul style="list-style-type: none"> • 0—Scan attack. • 1—Transport layer flood. • 2—Application layer flood. • 3—Named single-packet attack. • 4—IP option single-packet attack. • 5—ICMP single-packet attack. • 6—ICMPv6 single-packet attack. • 7—IPv6 extension header single-packet attack.
SubType	Attack subtype	Index	Enumeration: <ul style="list-style-type: none"> • For scan attacks: <ul style="list-style-type: none"> ◦ 0—Port scan. ◦ 1—IP sweep. ◦ 2—Distributed IP sweep. • For transport layer floods: <ul style="list-style-type: none"> ◦ 0—SYN flood. ◦ 1—ACK flood. ◦ 2—SYN-ACK flood. ◦ 3—RST flood. ◦ 4—FIN flood. ◦ 5—UDP flood. ◦ 6—ICMP flood. ◦ 7—ICMPv6 flood. • For application layer floods: <ul style="list-style-type: none"> ◦ 0—DNS flood.

Column name	Column description	Column type	Data type and restrictions
			<ul style="list-style-type: none"> ○ 1—HTTP flood. ○ 2—DNS reply flood. ○ 3—SIP flood. • For named single-packet attacks: <ul style="list-style-type: none"> ○ 0—IP fragment attack. ○ 1—IP impossible attack. ○ 2—Teardrop attack. ○ 3—Tiny fragment attack. ○ 4—IP-option-abnormal attack. ○ 5—Smurf attack. ○ 6—Traceroute attack. ○ 7—Ping-of-death attack. ○ 8—Large ICMP attack. ○ 9—Large ICMPv6 attack. ○ 10—TCP-invalid-flags attack. ○ 11—TCP-null-flag attack. ○ 12—TCP-all-flags attack. ○ 13—TCP-SYN-FIN attack. ○ 14—TCP-FIN-only attack. ○ 15—Land attack. ○ 16—WinNuke attack. ○ 17—UDP bomb attack. ○ 18—Snork attack. ○ 19—Fraggle attack. • For IP option single-packet attacks, a subtype is an IP option value in the range of 0 to 255. • For ICMP single-packet attacks, a subtype is an ICMP type value in the range of 0 to 255. • For ICMPv6 single-packet attacks, a subtype is an ICMPv6 type value in the range of 0 to 255. • For IPv6 extension header single-packet attacks, a subtype is an IPv6 extension header type value in the range of 0 to 255.
AtkTimes	Number of times that the attack occurred	N/A	Unsigned integer.
DropCnt	Number of dropped packets	N/A	Unsigned integer.

ATK/LocalAttackStatistics

This table contains local attack statistics.

XML structure

<ATK>


```

<LocalAttackStatistics>
  <Statistics>
    <Chassis></Chassis>
    <Slot></Slot>
    <CPUID></CPUID>
    <MainType></MainType>
    <SubType></SubType>
    <AtkTimes></AtkTimes>
    <DropCnt></DropCnt>
  </Statistics>
</LocalAttackStatistics>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	LocalAttackStatistics
Table type	Multi-instance table
Row name	Statistics
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions
Chassis	ID of the member where the entity resides	Index	Unsigned integer. Value range: 0 to 65535.
Slot	Slot ID of the entity	Index	Unsigned integer. Value range: 0 to 65535.
CPUID	CPU ID	Index	Unsigned integer. Value range: 0 to 7.
Maintype	Main attack type	Index	Enumeration: <ul style="list-style-type: none"> • 0—Scan. • 1—Transport layer flood. • 2—Application layer flood. • 3—Named single packet attack. • 4—IP option single packet attack. • 5—ICMP single packet attack. • 6—ICMPv6 single packet attack.

Column name	Column description	Column type	Data type and restrictions
			<ul style="list-style-type: none"> 7—IPv6 extend header attack.
SubType	Sub attack type	Index	<p>Enumeration, value range varies according to MainType.</p> <p>For scan:</p> <ul style="list-style-type: none"> 0—Port scan. 1—IP sweep. 2—Distributed IP sweep. <p>For transport layer flood:</p> <ul style="list-style-type: none"> 0—SYN flood. 1—ACK flood. 2—SYN-ACK flood. 3—RESET flood. 4—FIN flood. 5—UDP flood. 6—ICMP flood. 7—ICMPv6 flood. <p>For application layer flood:</p> <ul style="list-style-type: none"> 0—DNS flood. 1—HTTP flood. 2—DNS reply flood. 3—SIP flood. <p>For named single packet attack:</p> <ul style="list-style-type: none"> 0—IP fragment. 1—IP impossible. 2—Teardrop 3—Tiny fragment 4—Abnormal 5—Smurf 6—Trace route 7—Ping of death 8—Large ICMP 9—Large ICMPv6 10—TCP invalid flags 11—TCP null flag 12—TCP all flags 13—TCP SYN FIN flags 14—TCP FIN only 15—Land 16—Winnuke 17—UDP bomb 18—Snork

Column name	Column description	Column type	Data type and restrictions
			<ul style="list-style-type: none"> 19—Fraggle <p>For IP option single packet attack, SubType is the IP option value, range: 0 to 255.</p> <p>For ICMP single packet attack, SubType is the ICMP type value, range: 0 to 255.</p> <p>For ICMPv6 single packet attack, SubType is the ICMPv6 type value, range: 0 to 255.</p> <p>For IPv6 extend header single packet attack, SubType is the header type value, range: 0 to 255.</p>
AtkTimes	Attack times	N/A	Unsigned integer.
DropCnt	Dropped packet count	N/A	Unsigned integer.

ATK/Scan/Policies

This table contains scan policy information.

XML structure

```

<ATK>
  <Scan>
    <Policies>
      <Policy>
        <PolicyName></PolicyName>
        <Level></Level>
        </UserDefinedCfg>

        <PortScanEnable></PortScanEnable>
        <PortScanThreshold></PortScanThreshold>
        <IPSweepEnable></IPSweepEnable>
        <IPSweepThreshold></IPSweepThreshold>
        <Period></Period>
      </UserDefinedCfg>
    </Policies>
  </Scan>
</ATK>

```

```

    <Drop></Drop>
    <BlockSource>
        <Enable></Enable>
        <BlockTime></BlockTime>
    </BlockSource>
</Policy>
</Policies>
</Scan>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	Policies
Table type	Multi-instance table
Row name	Policy
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of Attack Defense policy	Index	String, case-insensitive. Length: 1 to 31 characters.	N/A
Level	Scan detect level	N/A	Enumeration: <ul style="list-style-type: none"> • 0—Don't detect. • 1—Low sensibility. • 2—Middle sensibility. • 3—High sensibility. • 4—User defined sensibility. 	UserDefinedCfg and its members are available only in scan detect level 4.
UserDefinedCfg	Custom scan detection configuration.	Data struct	Members include: <ul style="list-style-type: none"> • PortScanEnable • PortScanThreshold • IPSweepEnable • IPSweepThreshold • Period 	N/A
PortScanEnable	Port scan detection switch.	N/A	Boolean: <ul style="list-style-type: none"> • true. • false. 	N/A
PortScanThreshold	Port scan detection threshold.	N/A	Signed integer. Value range: 1 to	Value must be set if PortScanEnable

Column name	Column description	Column type	Data type and restrictions	Remarks
			1000000000 pps.	is true.
IPSweepEnable	IP sweep detection switch.	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	N/A
IPSweepThreshold	IP sweep detection threshold.	N/A	Signed integer. Value range: 1 to 1000000000 pps.	Value must be set if IPSweepEnable is true.
Period	Detection cycle	N/A	Signed integer. Value range: 1 to 1000000000 seconds.	N/A
Log	Log switch	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
Drop	Drop packet switch	N/A	Boolean: <ul style="list-style-type: none"> true false 	Drop and BlockSource are mutually exclusive and only one of them can be set in a single message.
BlockSource	Block source configs	Data struct	Members include: <ul style="list-style-type: none"> Enable BlockTime 	Drop and BlockSource are mutually exclusive and only one of them can be set in a single message.
Enable	Block source switch.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
BlockTime	Source block duration.	N/A	Unsigned integer, value range 1 to 1000 minutes.	When and only when Enable is true, this column is useful.

ATK/Flood/DefaultConfigs

This table contains flood default configurations.

XML structure

```
<ATK>
  <Flood>
    <DefaultConfigs>
```

```

<Config>
  <PolicyName></PolicyName>
  <MainType></MainType>
  <SubType></SubType>
  <Log></Log>
  <Drop></Drop>
  <ClientVerify></ClientVerify>
  <Threshold></Threshold>
  <MonitorPort></MonitorPort>
  <NonSpecificSwitch></NonSpecificSwitch>
</Config>
</DefaultConfigs>
</Flood>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	DefaultConfigs
Table type	Multi-instance table
Row name	Config
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of Attack Defense policy	Index	String. Length: 1 to 31 characters.	Case insensitive
Maintype	Main flood type	Index	Enumeration: <ul style="list-style-type: none"> 0—Transport layer flood. 1—Application layer flood. 	N/A
SubType	Sub flood type	Index	Enumeration, value range varies according to MainType. For transport layer flood: <ul style="list-style-type: none"> 0—SYN flood. 1—ACK flood. 2—SYN-ACK flood. 3—RESET flood. 4—FIN flood. 5—UDP flood. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 6—ICMP flood. 7—ICMPv6 flood. <p>For application layer flood:</p> <ul style="list-style-type: none"> 0—DNS flood. 1—HTTP flood. 2—DNS reply flood. 3—SIP flood. 	
Log	Log switch	N/A	Boolean: <ul style="list-style-type: none"> true false 	Default is false.
Drop	Drop packet switch	N/A	Boolean: <ul style="list-style-type: none"> true false 	Default is false.
ClientVerify	Client verification switch	N/A	Boolean: <ul style="list-style-type: none"> true false 	Default is false.
Threshold	Flood detect threshold	N/A	Signed integer, value range: 1 to 1000000 pps.	N/A
MonitorPort	Monitor service port range	N/A	Port range string, port value range: 1 to 65535.	Support Application layer only for now. For http flood, default monitored port is 80. For DNS flood, default monitored port is 53. For SIP flood, default monitored port is 5060. At most specify a maximum of 32 port items.
NonSpecificSwitch	Non specific protect hosts detect switch	N/A	Boolean: <ul style="list-style-type: none"> true false 	Default value is false which means only detect protect hosts.

ATK/Flood/IPv4ProtectHosts

This table contains IPv4 flood protect hosts information.

XML structure

```
<ATK>
  <Flood>
    <IPv4ProtectHosts>
      <Host>
        <PolicyName></PolicyName>
        <MainType></MainType>
        <SubType></SubType>
        <VrfName></VrfName>
        <Ipv4Address></Ipv4Address>
        <Threshold></Threshold>
        <Log></Log>
        <Drop></Drop>
        <ClientVerify></ClientVerify>
        <MonitorPort></MonitorPort>
      </Host>
    </IPv4ProtectHosts>
  </Flood>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	IPv4ProtectHosts
Table type	Multi-instance table
Row name	Host
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of Attack Defense policy	Index	String. Length: 1 to 31 characters.	Case insensitive
MainType	Main flood type	Index	Enumeration: <ul style="list-style-type: none">0—Transport layer flood.1—Application layer flood.	N/A
SubType	Sub flood type	Index	Enumeration, value range varies according to MainType. For transport layer flood:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> • 0—SYN flood. • 1—ACK flood. • 2—SYN-ACK flood. • 3—RESET flood. • 4—FIN flood. • 5—UDP flood. • 6—ICMP flood. • 7—ICMPv6 flood. <p>For application layer flood:</p> <ul style="list-style-type: none"> • 0—DNS flood. • 1—HTTP flood. • 2—DNS reply flood. • 3—SIP flood. 	
VrfName	Vrf name	Index	String. Length: 0 to 31 characters.	Case sensitive, empty represents public vrf.
Ipv4Address	IPv4 protected host address	Index	IPv4 address.	N/A
Threshold	Flood detect threshold	N/A	Signed integer, value range: 1 to 1000000 pps.	N/A
Log	Log switch	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	No default value. Should be configured along with drop and clientverify column.
Drop	Drop packet switch	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	No default value. Should be configured along with log and clientverify column.
ClientVerify	Client verification switch	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	No default value. Should be configured along with log and drop column.
MonitorPort	Monitor service port range	N/A	Port range string, port value range: 1 to 65535.	Support Application layer only for now. At most specify a maximum of 24 port items.

ATK/Flood/IPv6ProtectHosts

This table contains IPv6 flood protect hosts information.

XML structure

```
<ATK>
  <Flood>
    <IPv6ProtectHosts>
      <Host>
        <PolicyName></PolicyName>
        <MainType></MainType>
        <SubType></SubType>
        <VrfName></VrfName>
        <Ipv6Address></Ipv6Address>
        <Threshold></Threshold>
        <Log></Log>
        <Drop></Drop>
        <ClientVerify></ClientVerify>
        <MonitorPort></MonitorPort>
      </Host>
    </IPv6ProtectHosts>
  </Flood>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	IPv6ProtectHosts
Table type	Multi-instance table
Row name	Host
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of Attack Defense policy	Index	String. Length: 1 to 31 characters.	Case insensitive
MainType	Main flood type	Index	Enumeration: <ul style="list-style-type: none">0—Transport layer flood.1—Application layer flood.	N/A
SubType	Sub flood type	Index	Enumeration, value range varies according to MainType. For transport layer flood:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> • 0—SYN flood. • 1—ACK flood. • 2—SYN-ACK flood. • 3—RESET flood. • 4—FIN flood. • 5—UDP flood. • 6—ICMP flood. • 7—ICMPv6 flood. <p>For application layer flood:</p> <ul style="list-style-type: none"> • 0—DNS flood. • 1—HTTP flood. • 2—DNS reply flood. • 3—SIP flood. 	
VrfName	Vrf name	Index	String. Length: 0 to 31 characters.	Case sensitive, empty represents public vrf.
Ipv6Address	IPv6 protected host address	Index	IPv6 address.	N/A
Threshold	Flood detect threshold	N/A	Signed integer, value range: 1 to 1000000 pps.	N/A
Log	Log switch	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	No default value. Should be configured along with drop and clientverify column.
Drop	Drop packet switch	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	No default value. Should be configured along with log and clientverify column.
ClientVerify	Client verification switch	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	No default value. Should be configured along with log and drop column.
MonitorPort	Monitor service port range	N/A	Port range string, port value range: 1 to 65535.	Support Application layer only for now. At most specify a maximum of 24 port items.

ATK/Flood/LearnItems

This table contains flow threshold learning information.

XML structure

```
<ATK>
  <Flood>
    <LearnItems>
      <Item>
        <PolicyName></PolicyName>
        <Status></Status>
        <TimeValue></TimeValue>
        <Mode></Mode>
        <IntervalValue></IntervalValue>
        <AutoApply></AutoApply>
        <Scope></Scope>
      </Item>
    </LearnItems>
  </Flood>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	LearnItems
Table type	Multi-instance table
Row name	Item
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of the attack defense policy	Index	String, case-insensitive. Length: 1 to 31 characters.	N/A
Status	Learning switch	N/A	Boolean: <ul style="list-style-type: none">truefalse	Default is false.
TimeValue	Time value	N/A	Unsigned integer, value range: 1 to 1200000 minutes.	Default is 1440 minutes.
Mode	Learning mode	N/A	Enumeration: <ul style="list-style-type: none">0—Single.1—Cycle.	N/A
IntervalValue	Interval value for cycle mode	N/A	Unsigned integer. Value range: 1 to 1200000 minutes.	Only when the mode is cycle, this column is

Column name	Column description	Column type	Data type and restrictions	Remarks
				useful. Default is 1440 minutes.
AutoApply	Auto application switch	N/A	Boolean: <ul style="list-style-type: none"> true false 	Default is false.
Scope	Deviation of study result	N/A	Unsigned integer. Value range: 0 to 4000.	Only when AutoApply is true, this column is useful. Default is 50.

ATK/Flood/FlowResults

This table contains flow threshold learning result information.

XML structure

```

<ATK>
  <Flood>
    <FlowResults>
      <Result>
        <PolicyName></PolicyName>
        <Status></Status>
        <LastResultInterval></LastResultInterval>
        <SYN></SYN>
        <ACK></ACK>
        <SYNACK></SYNACK>
        <RST></RST>
        <FIN></FIN>
        <UDP></UDP>
        <ICMP></ICMP>
        <ICMPv6></ICMPv6>
        <DNS></DNS>
        <HTTP></HTTP>
        <DNSReply></DNSReply>
        <SIP></SIP>
      </Result>
    </FlowResults>
  </Flood>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	FlowResults
Table type	Multi-instance table
Row name	Result
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of the attack defense policy	Index	String, case-insensitive. Length: 1 to 31 characters.	N/A
Status	Learning status	N/A	Enumeration: <ul style="list-style-type: none"> 0—Initialize. 1—Stop. 2—learning. 	N/A
LastResultInterval	Time elapsed since last result	N/A	Unsigned integer. Value range: 0 to 4294967295 second.	N/A
SYN	Learning result of SYN packets	N/A	Unsigned integer. Value range: 0 to 4294967295 pps.	N/A
ACK	Learning result of ACK packets	N/A	Unsigned integer. Value range: 0 to 4294967295 pps.	N/A
SYNACK	Learning result of SYNACK packets	N/A	Unsigned integer. Value range: 0 to 4294967295 pps.	N/A
RST	Learning result of RST packets	N/A	Unsigned integer. Value range: 0 to 4294967295 pps.	N/A
FIN	Learning result of FIN packets	N/A	Unsigned integer. Value range: 0 to 4294967295 pps.	N/A
UDP	Learning result of UDP packets	N/A	Unsigned integer. Value range: 0 to 4294967295 pps.	N/A
ICMP	Learning result of ICMP packets	N/A	Unsigned integer. Value range: 0 to 4294967295 pps.	N/A
ICMPv6	Learning result of	N/A	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	ICMPv6 packets		Value range: 0 to 4294967295 pps.	
DNS	Learning result of DNS packets	N/A	Unsigned integer. Value range: 0 to 4294967295 pps.	N/A
HTTP	Learning result of HTTP packets	N/A	Unsigned integer. Value range: 0 to 4294967295 pps.	N/A
DNSReply	Learning result of DNS reply packets	N/A	Unsigned integer. Value range: 0 to 4294967295 pps.	N/A
SIP	Learning result of SIP packets	N/A	Unsigned integer. Value range: 0 to 4294967295 pps.	N/A

ATK/Signature/Detects

This table contains signature detects' information.

XML structure

```

<ATK>
  <Signature>
    <Detects>
      <Detect>
        <PolicyName></PolicyName>
        <MainType></MainType>
        <SubType></SubType>
        <Log></Log>
        <Drop></Drop>
        <level></level>
      </Detect>
    </Detects>
  </Signature>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	Detects
Table type	Multi-instance table
Row name	Detect

Item	Description
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of Attack Defense policy	Index	String. Length: 1 to 31 characters.	Case insensitive
Maintype	Main signature type	Index	Enumeration: <ul style="list-style-type: none"> 0—Named single packet attack. 1—IP option single packet attack. 2—ICMP single packet attack. 3—ICMPv6 single packet attack. 4—IPv6 extend header attack. 	N/A
SubType	Sub signature type	Index	<p>Enumeration, value range varies according to MainType.</p> <p>For named single packet attack:</p> <ul style="list-style-type: none"> 0—IP fragment. 1—IP impossible. 2—Teardrop 3—Tiny fragment 4—Abnormal 5—Smurf 6—Trace route 7—Ping of death 8—Large ICMP 9—Large ICMPv6 10—TCP invalid flags 11—TCP null flag 12—TCP all flags 13—TCP SYN FIN flags 14—TCP FIN only 15—Land 16—Winnuke 17—UDP bomb 18—Snork 19—Fraggle <p>For IP option single packet attack, SubType is the IP option value, range: 0 to</p>	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<p>255.</p> <ul style="list-style-type: none"> • 7—Record route option. • 68—Timestamp option. • 130—Security option. • 131—Loose source routing option. • 136—Stream identifier option. • 137—Strict source route option. • 148—Route alert option. <p>For ICMP single packet attack, SubType is the ICMP type value, range: 0 to 255.</p> <ul style="list-style-type: none"> • 8—ICMP echo request. • 0—ICMP echo reply. • 4—ICMP source quench. • 3—ICMP destination unreachable. • 5—ICMP redirect. • 11—ICMP time exceeded. • 12—ICMP parameter problem. • 13—ICMP timestamp request. • 14—ICMP timestamp reply. • 15—ICMP information request. • 16—ICMP information reply. • 17—ICMP address mask request. • 18—ICMP address mask reply. <p>For ICMPv6 single packet attack, SubType is the ICMPv6 type value, range: 0 to 255.</p> <ul style="list-style-type: none"> • 128—ICMPv6 echo request. • 129—ICMPv6 echo reply. • 130—ICMPv6 group query. • 131—ICMPv6 group 	

Column name	Column description	Column type	Data type and restrictions	Remarks
			report. <ul style="list-style-type: none"> 132—ICMPv6 group reduction. 1—ICMPv6 destination unreachable. 3—ICMPv6 time exceeded. 4—ICMPv6 parameter problem. 2—ICMPv6 packet too big. For IPv6 extend header single packet attack, SubType is the header type value, range: 0 to 255.	
Log	Log switch	N/A	Boolean: <ul style="list-style-type: none"> true false 	Default is false.
Drop	Drop packet switch	N/A	Boolean: <ul style="list-style-type: none"> true false 	Default is false.
Level	Severity level	N/A	Enumeration: <ul style="list-style-type: none"> 0—Information. 1—Low. 2—Medium. 3—High. 	N/A

ATK/Signature/LargeICMPLength

This table contains large ICMP and ICMPv6 signature information.

XML structure

```

<ATK>
  <Signature>
    <LargeICMPLength>
      <Policy>
        <PolicyName></PolicyName>
        <IPv4Threshold></IPv4Threshold>
        <IPv6Threshold></IPv6Threshold>
      </Policy>
    </LargeICMPLength>
  </Signature>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	LargeICMPLength
Table type	Multi-instance table
Row name	Policy
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of Attack Defense policy	Index	String. Length: 1 to 31 characters.	Case insensitive
IPv4Threshold	ICMP packet length threshold	N/A	Unsigned integer, value range: 28 to 65534 bytes.	N/A
IPv6Threshold	ICMPv6 packet length threshold	N/A	Unsigned integer, value range: 48 to 65534 bytes.	N/A

ATK/Signature/LevelActions

This table contains signature level action information.

XML structure

```
<ATK>
  <Signature>
    <LevelActions>
      <LevelAction>
        <PolicyName></PolicyName>
        <Level></Level>
        <Log></Log>
        <Drop></Drop>
      </LevelAction>
    </LevelActions>
  </Signature>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	LevelActions
Table type	Multi-instance table
Row name	LevelAction
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of Attack Defense policy	Index	String. Length: 1 to 31 characters.	Case insensitive
Level	Severity level	Index	Enumeration: <ul style="list-style-type: none">• 0—Information.• 1—Low.• 2—Medium.• 3—High.	N/A
Log	Log switch	N/A	Boolean: <ul style="list-style-type: none">• true• false	Default value is true
Drop	Drop packet switch	N/A	Boolean: <ul style="list-style-type: none">• true• false	The default value varies by severity level. For information level or low level, default value is false. For medium level or high level default value is true.

ATK/Signature/LogAggregate

This table contains signature log aggregation information.

XML structure

```
<ATK>
  <Signature>
    <LogAggregate>
      <Enable></Enable>
    </LogAggregate>
  </Signature>
</ATK>
```

```

    </Signature>
  </ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	LogAggregate
Table type	Single-instance table
Row name	N/A
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Enable	Log aggregate switch.	N/A	Boolean: <ul style="list-style-type: none"> true false 	Default is true.

ATK/Blacklist/IPv4Blacklists

This table contains IPv4 blacklist information.

XML structure

```

<ATK>
  <Blacklist>
    <IPv4Blacklists>
      <Item>
        <Chassis></Chassis>
        <Slot></Slot>
        <CPUID></CPUID>
        <VrfIndex></VrfIndex>
        <Ipv4Address></Ipv4Address>
        <DSLitePeer></DSLitePeer>
        <AddType></AddType>
        <TTL></TTL>
        <DropCnt></DropCnt>
      </Item>
    </IPv4Blacklists>
  </Blacklist>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	IPv4Blacklists
Table type	Multi-instance table
Row name	Item
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Chassis	ID of the member where the blacklist resides	Index	Unsigned integer. Value range: 0 to 65535.	N/A
Slot	Slot ID of the blacklist	Index	Unsigned integer. Value range: 0 to 65535.	N/A
CPUID	CPU ID	Index	Unsigned integer. Value range: 0 to 7.	N/A
VrfIndex	Vrf index	Index	Unsigned integer, 0 represents public vrf.	N/A
Ipv4Address	IPv4 blacklist address	Index	IPv4 address.	N/A
DSLitePeer	DS-Lite tunnel peer address	Index	IPv6 address.	In DS-Lite network, this parameter refers to B4 addresses. Leave it empty in other circumstances.
AddType	Add type	N/A	Enumeration: <ul style="list-style-type: none">0—Manual add.1—Automatic add.	N/A
TTL	Time to live	N/A	Unsigned integer, unit second.	N/A
DropCnt	Dropped packet count	N/A	Unsigned integer.	N/A

ATK/Blacklist/IPv6Blacklists

This table contains IPv6 blacklist information.

XML structure

```
<ATK>
  <Blacklist>
    <IPv6Blacklists>
      <Item>
        <Chassis></Chassis>
        <Slot></Slot>
        <CPUID></CPUID>
        <VrfIndex></VrfIndex>
        <Ipv6Address></Ipv6Address>
        <AddType></AddType>
        <TTL></TTL>
        <DropCnt></DropCnt>
      </Item>
    </IPv6Blacklists>
  </Blacklist>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	IPv6Blacklists
Table type	Multi-instance table
Row name	Item
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions
Chassis	ID of the member where the blacklist resides	Index	Unsigned integer. Value range: 0 to 65535.
Slot	Slot ID of the blacklist	Index	Unsigned integer. Value range: 0 to 65535.
CPUID	CPU ID	Index	Unsigned integer. Value range: 0 to 7.
VrfIndex	Vrf index	Index	Unsigned integer, 0 represents public vrf.
Ipv6Address	IPv6 blacklist address	Index	IPv6 address.
AddType	Add type	N/A	Enumeration: <ul style="list-style-type: none">0—Manual add.

Column name	Column description	Column type	Data type and restrictions
			<ul style="list-style-type: none"> 1—Automatic add.
TTL	Time to live	N/A	Unsigned integer, unit second.
DropCnt	Dropped packet count	N/A	Unsigned integer.

ATK/Blacklist/InterfaceSwitches

This table contains blacklist interface switch information.

XML structure

```

<ATK>
  <Blacklist>
    <InterfaceSwitches>
      <Switch>
        <IfIndex></IfIndex>
        <Enable></Enable>
      </Switch>
    </InterfaceSwitches>
  </Blacklist>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	InterfaceSwitches
Table type	Multi-instance table
Row name	Switch
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	N/A
Enable	Blacklist switch.	N/A	Boolean: <ul style="list-style-type: none"> true false 	Default is false.

ATK/Blacklist/ZoneSwitches

This table contains the blacklist configuration for a security zone.

XML structure

```
<ATK>
  <Blacklist>
    <ZoneSwitches>
      <Switch>
        <ZoneID></ZoneID>
        <Enable></Enable>
      </Switch>
    </ZoneSwitches>
  </Blacklist>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	ZoneSwitches
Table type	Multi-instance table
Row name	Switch
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ZoneID	Security zone ID	Index	Unsigned integer.
Enable	Whether the blacklist is enabled or not	N/A	Boolean: <ul style="list-style-type: none">• true—Enabled.• false—Disabled (default).

ATK/Blacklist/GlobalConfigs

This table contains blacklist global configuration information.

XML structure

```
<ATK>
  <Blacklist>
```

```

    <GlobalConfigs>
      <Enable></Enable>
      <Log></Log>
    </GlobalConfigs>
  </Blacklist>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	GlobalConfigs
Table type	Single-instance table
Row name	N/A
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Enable	Global switch.	N/A	Boolean: <ul style="list-style-type: none"> true false 	Default is false.
Log	Log switch	N/A	Boolean: <ul style="list-style-type: none"> true false 	Default is false.

ATK/Whitelist/IPv4ObjItems

This table contains IPv4 whitelist information.

XML structure

```

<ATK>
  <Whitelist>
    <IPv4ObjItems>
      <Item>
        <ObjGrpName></ObjGrpName>
      </Item>
    </IPv4ObjItems>
  </Whitelist>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	IPv4ObjItems
Table type	Multi-instance table
Row name	Item
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ObjGrpName	Object group IP name	Index	String, case insensitive. Length: 1 to 31 characters.	N/A

ATK/Whitelist/IPv6ObjItems

This table contains IPv6 whitelist information.

XML structure

```
<ATK>
  <Whitelist>
    <IPv6ObjItems>
      <Item>
        <ObjGrpName></ObjGrpName>
      </Item>
    </IPv6ObjItems>
  </Whitelist>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	IPv6ObjItems
Table type	Multi-instance table
Row name	Item
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ObjGrpName	Object group IPv6 name	Index	String, case insensitive. Length: 1 to 31 characters.	N/A

ATK/Whitelist/InterfaceSwitches

This table is used to configure the whitelist for an interface.

XML structure

```
<ATK>
  <Whitelist>
    <InterfaceSwitches>
      <Switch>
        <IfIndex></IfIndex>
        <Enable></Enable>
      </Switch>
    </InterfaceSwitches>
  </Whitelist>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	InterfaceSwitches
Table type	Multi-instance table
Row name	Switch
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD

Column name	Column description	Column type	Data type and restrictions	Remarks
				document of your product. For information about IfIndex, see “Appendix” in Ifmgr NETCONF XML API Configuration Reference.
Enable	Enabling status of the whitelist function	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A

ATK/Whitelist/ZoneSwitches

This table is used to configure the whitelist for a security zone.

XML structure

```

<ATK>
  <Whitelist>
    <ZoneSwitches>
      <Switch>
        <ZoneID></ZoneID>
        <Enable></Enable>
      </Switch>
    </ZoneSwitches>
  </Whitelist>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	ZoneSwitches
Table type	Multi-instance table
Row name	Switch
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ZoneID	Security zone ID	Index	Unsigned integer.	N/A
Enable	Enabling status of the whitelist	N/A	Boolean: <ul style="list-style-type: none">truefalse	N/A

ATK/Whitelist/GlobalSwitches

This table contains whitelist global enabling status information.

XML structure

```
<ATK>
  <Whitelist>
    <GlobalSwitches>
      <Enable></Enable>
    </GlobalSwitches>
  </Whitelist>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	GlobalSwitches
Table type	Single-instance table
Row name	N/A
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Enable	Enabling status of the global configuration.	N/A	Boolean: <ul style="list-style-type: none">truefalse	N/A

ATK/ClientVerify/Switches

This table contains client verification switch information.

XML structure

```
<ATK>
  <ClientVerify>
    <Switches>
      <Switch>
        <IfIndex></IfIndex>
        <VerifyType></VerifyType>
        <VerifyMode></VerifyMode>
      </Switch>
    </Switches>
  </ClientVerify>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	Switches
Table type	Multi-instance table
Row name	Switch
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index	Index	Unsigned integer.
VerifyType	Verification type	Index	Enumeration: <ul style="list-style-type: none">• 0—TCP proxy• 1—DNS client verification.• 2—HTTP client verification.• 3—DNS verification. reply• 4—SIP client verification.
VerifyMode	Verification mode	N/A	Enumeration, value range varies according to MainType.

Column name	Column description	Column type	Data type and restrictions
			<p>For TCP proxy:</p> <ul style="list-style-type: none"> • 0—Shutdown. • 1—SYN cookie. • 2—Safe reset. <p>For DNS client verification:</p> <ul style="list-style-type: none"> • 0—Shutdown. • 1—Truncate. <p>For HTTP client verification:</p> <ul style="list-style-type: none"> • 0—Shutdown. • 1—Redirection. <p>For DNS reply verification:</p> <ul style="list-style-type: none"> • 0—DNS request. <p>For SIP client verification:</p> <ul style="list-style-type: none"> • 0—Shutdown. • 1—Option.

ATK/ClientVerify/ZoneSwitches

This table contains the client verification configuration for a security zone.

XML structure

```

<ATK>
  <ClientVerify>
    <ZoneSwitches>
      <Switch>
        <ZoneID></ZoneID>
        <VerifyType></VerifyType>
        <VerifyMode></VerifyMode>
      </Switch>
    </ZoneSwitches>
  </ClientVerify>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	ZoneSwitches
Table type	Multi-instance table

Item	Description
Row name	Switch
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ZoneID	Security zone ID	Index	Unsigned integer.
VerifyType	Verification type	Index	Enumeration: <ul style="list-style-type: none"> • 0—TCP proxy. • 1—DNS client verification. • 2—HTTP client verification. • 3—DNS reply verification. • 4—SIP client verification.
VerifyMode	Verification mode	N/A	Enumeration: For TCP proxy: <ul style="list-style-type: none"> • 0—Shutdown. • 1—SYN cookie. • 2—Safe reset. For DNS client verification: <ul style="list-style-type: none"> • 0—Shutdown. • 1—Truncation. For HTTP client verification: <ul style="list-style-type: none"> • 0—Shutdown. • 1—Redirection. For DNS reply verification: <ul style="list-style-type: none"> • 0—DNS request. For SIP client verification: <ul style="list-style-type: none"> • 0—Shutdown. • 1—Option.

ATK/ClientVerify/IPv4ProtectHosts

This table contains IPv4 client verification protect hosts information.

XML structure

```

<ATK>
  <ClientVerify>
    <IPv4ProtectHosts>
      <Host>

```

```

    <Chassis></Chassis>
    <Slot></Slot>
    <CPUID></CPUID>
    <VerifyType></VerifyType>
    <VrfIndex></VrfIndex>
    <Ipv4Address></Ipv4Address>
    <PortNumber></PortNumber>
    <AddType></AddType>
    <ReqCnt></ReqCnt>
    <AuthCnt></AuthCnt>
  </Host>
</IPv4ProtectHosts>
</ClientVerify>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	IPv4ProtectHosts
Table type	Multi-instance table
Row name	Host
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Chassis	ID of the member where the host resides	Index	Unsigned integer. Value range: 0 to 65535.	N/A
Slot	Slot ID of the host	Index	Unsigned integer. Value range: 0 to 65535.	N/A
CPUID	CPU ID	Index	Unsigned integer. Value range: 0 to 7.	N/A
VerifyType	Verification type	Index	Enumeration: <ul style="list-style-type: none"> 0—TCP proxy 1—DNS client verification. 2—HTTP client verification. 3—DNS verification. reply 4—SIP client verification. 	N/A
VrfIndex	Vrf index	Index	Unsigned integer, 0	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			represents public vrf.	
Ipv4Address	Host address	Index	IPv4 address.	N/A
PortNumber	Port number	Index	Unsigned integer. The value range varies by the verification type. For TCP proxy: 0-65535 For DNS, SIP and HTTP client verification: 1-65535	For TCP proxy, port number 0 is available which means that any hosts connected to any service port will be monitored. For DNS, SIP and HTTP client verification, port number 0 is unavailable.
AddType	Add type	N/A	Enumeration: <ul style="list-style-type: none"> 0—Manual add. 1—Automatic add. 	N/A
ReqCnt	Request count	N/A	Unsigned integer.	N/A
AuthCnt	Authenticated request count	N/A	Unsigned integer.	N/A

ATK/ClientVerify/IPv6ProtectHosts

This table contains IPv6 client verification protect hosts information.

XML structure

```

<ATK>
  <ClientVerify>
    <IPv6ProtectHosts>
      <Host>
        <Chassis></Chassis>
        <Slot></Slot>
        <CPUID></CPUID>
        <VerifyType></VerifyType>
        <VrfIndex></VrfIndex>
        <Ipv6Address></Ipv6Address>
        <PortNumber></PortNumber>
        <AddType></AddType>
        <ReqCnt></ReqCnt>
        <AuthCnt></AuthCnt>
      </Host>
    </IPv6ProtectHosts>
  </ClientVerify>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	IPv6ProtectHosts
Table type	Multi-instance table
Row name	Host
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Chassis	ID of the member where the host resides	Index	Unsigned integer. Value range: 0 to 65535.	N/A
Slot	Slot ID of the host	Index	Unsigned integer. Value range: 0 to 65535.	N/A
CPUID	CPU ID	Index	Unsigned integer. Value range: 0 to 7.	N/A
VerifyType	Verification type	Index	Enumeration: <ul style="list-style-type: none"> 0—TCP proxy 1—DNS client verification. 2—HTTP client verification. 3—DNS verification. reply 4—SIP client verification. 	N/A
VrfIndex	Vrf index	Index	Unsigned integer, 0 represents public vrf.	N/A
Ipv6Address	Host address	Index	IPv6 address.	N/A
PortNumber	Port number	Index	Unsigned integer. The value range varies by the verification type. For TCP proxy: 0-65535 For DNS, SIP and HTTP client verification: 1-65535	For TCP proxy, port number 0 is available which means that any hosts connected to any service port will be monitored. For DNS, SIP and HTTP client verification, port number 0 is unavailable.
AddType	Add type	N/A	Enumeration: <ul style="list-style-type: none"> 0—Manual add. 1—Automatic add. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
ReqCnt	Request count	N/A	Unsigned integer.	N/A
AuthCnt	Authenticated request count	N/A	Unsigned integer.	N/A

ATK/ClientVerify/IPv4TrustClients

This table contains information of trust IPv4 clients verified by ClientVerify module.

XML structure

```

<ATK>
  <ClientVerify>
    <IPv4TrustClients>
      <Client>
        <Chassis></Chassis>
        <Slot></Slot>
        <CPUID></CPUID>
        <VerifyType></VerifyType>
        <VrfIndex></VrfIndex>
        <Ipv4Address></Ipv4Address>
        <DSLitePeer></DSLitePeer>
        <TTL></TTL>
      </Client>
    </IPv4TrustClients>
  </ClientVerify>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	IPv4TrustClients
Table type	Multi-instance table
Row name	Client
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions
Chassis	ID of the member	Index	Unsigned integer.

Column name	Column description	Column type	Data type and restrictions
	where the client resides		Value range: 0 to 65535.
Slot	Slot ID of the client	Index	Unsigned integer. Value range: 0 to 65535.
CPUID	CPU ID	Index	Unsigned integer. Value range: 0 to 7.
VerifyType	Verification type	Index	Enumeration: <ul style="list-style-type: none"> • 0—TCP proxy • 1—DNS client verification. • 2—HTTP client verification. • 3—DNS verification. reply • 4—SIP client verification.
VrfIndex	Vrf index	Index	Unsigned integer, 0 represents public vrf.
Ipv4Address	Client address	Index	IPv4 address.
DSLitePeer	DS-Lite tunnel peer address	Index	IPv6 address.
TTL	Time to live	N/A	Unsigned integer, unit second.

ATK/ClientVerify/IPv6TrustClients

This table contains information of trust IPv6 clients verified by ClientVerify module.

XML structure

```

<ATK>
  <ClientVerify>
    <IPv6TrustClients>
      <Client>
        <Chassis></Chassis>
        <Slot></Slot>
        <CPUID></CPUID>
        <VerifyType></VerifyType>
        <VrfIndex></VrfIndex>
        <Ipv6Address></Ipv6Address>
        <TTL></TTL>
      </Client>
    </IPv6TrustClients>
  </ClientVerify>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	IPv6TrustClients
Table type	Multi-instance table
Row name	Client
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions
Chassis	ID of the member where the client resides	Index	Unsigned integer. Value range: 0 to 65535.
Slot	Slot ID of the client	Index	Unsigned integer. Value range: 0 to 65535.
CPUID	CPU ID	Index	Unsigned integer. Value range: 0 to 7.
VerifyType	Verification type	Index	Enumeration: <ul style="list-style-type: none">• 0—TCP proxy• 1—DNS client verification.• 2—HTTP client verification.• 3—DNS verification. reply• 4—SIP client verification.
VrfIndex	Vrf index	Index	Unsigned integer, 0 represents public vrf.
Ipv6Address	Client address	Index	IPv6 address.
TTL	Time to live	N/A	Unsigned integer, unit second.

ATK/Specification

This table contains specification information of the current device.

XML structure

```
<ATK>
  <Specification>
```

```

    <InterfaceApply></InterfaceApply>
    <LocalApply></LocalApply>
    <ClientVerify></ClientVerify>
  </Specification>
</ATK>

```

Table description

Item	Description
Feature name	ATK
Table name	Specification
Table type	Single-instance table
Row name	N/A
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions
InterfaceApply	Support apply a attack-defense policy to interfaces	N/A	Boolean: <ul style="list-style-type: none"> • True • false
LocalApply	Support apply a attack-defense policy to local host	N/A	Boolean: <ul style="list-style-type: none"> • True • false
ClientVerify	Support client-verify feature.	N/A	Boolean: <ul style="list-style-type: none"> • True • false

ATK/ScanAttackTypes

This table contains scan attack types information of the current device.

XML structure

```

<ATK>
  <ScanAttackTypes>
    <AttackType>
      <Digest></Digest>
      <AttackTypeName></AttackTypeName>
    </AttackType>
  </ScanAttackTypes>
</ATK>

```


Table description

Item	Description
Feature name	ATK
Table name	ScanAttackTypes
Table type	Multi-instance table
Row name	AttackType
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions
Digest	Name of digest	Index	String. Length: 1 to 32 characters.
AttackTypeName	Name of attack type	N/A	String. Length: 1 to 32 characters.

ATK/FloodAttackTypes

This table contains flood attack types information of the current device.

XML structure

```
<ATK>
  <FloodAttackTypes>
    <AttackType>
      <Digest></Digest>
      <AttackTypeName></AttackTypeName>
    </AttackType>
  </FloodAttackTypes>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	FloodAttackTypes
Table type	Multi-instance table
Row name	AttackType
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions
Digest	Name of digest	Index	String. Length: 1 to 32 characters.
AttackTypeName	Name of attack type	N/A	String. Length: 1 to 32 characters.

ATK/SignatureAttackTypes

This table contains signature attack types information of the current device.

XML structure

```
<ATK>
  <SignatureAttackTypes>
    <AttackType>
      <Digest></Digest>
      <AttackTypeName></AttackTypeName>
    </AttackType>
  </SignatureAttackTypes>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	SignatureAttackTypes
Table type	Multi-instance table
Row name	AttackType
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions
Digest	Name of digest	Index	String. Length: 1 to 32 characters.
AttackTypeName	Name of attack type	N/A	String. Length: 1 to 32 characters.

ATK/BlacklistTypes

This table contains blacklist types information of the current device.

XML structure

```
<ATK>
  <BlacklistTypes>
    <Type>
      <Digest></Digest>
      <TypeName></TypeName>
    </Type>
  </BlacklistTypes>
</ATK>
```

Table description

Item	Description
Feature name	ATK
Table name	BlacklistTypes
Table type	Multi-instance table
Row name	Type
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions
Digest	Name of digest	Index	String. Length: 1 to 32 characters.
TypeName	Name of type	N/A	String. Length: 1 to 32 characters.

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XML structure	3
Table description	3
Columns	3

AUDIT

AUDIT/SignatureManualUpgrade

This table contains the information of AUDIT signatures manual upgrading.

XML structure

```
<AUDIT>
  <SignatureManualUpgrade>
    <URL></URL>
    <Location></Location>
  </SignatureManualUpgrade>
</AUDIT>
```

Table description

Item	Description
Feature name	AUDIT
Table name	SignatureManualUpgrade
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
URL	URL of the imported rule file	N/A	String: case-insensitive When the file is remote, Length: 1 to 255 characters. When the file is local, Length: 1 to 127 characters.	N/A
Location	The Location of the file	N/A	Enumeration: <ul style="list-style-type: none">• 0—local.• 1—remote.	N/A

AUDIT/SignatureAutoUpgradeNow

This table contains the information of AUDIT signatures auto upgrading at once.

XML structure

```
<AUDIT>
  <SignatureAutoUpgradeNow>
    <AutoUpgradeNow></AutoUpgradeNow>
  </SignatureAutoUpgradeNow>
</AUDIT>
```

Table description

Item	Description
Feature name	AUDIT
Table name	SignatureAutoUpgradeNow
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AutoUpgradeNow	Auto upgrade at once	N/A	This column must be empty.	N/A

AUDIT/SignatureRollback

This table contains the information of AUDIT signatures rollback.

XML structure

```
<AUDIT>
  <SignatureRollback>
    <Rollback></Rollback>
  </SignatureRollback>
</AUDIT>
```

Table description

Item	Description
Feature name	AUDIT
Table name	SignatureRollback
Table type	Single-instance table
Row name	None

Restrictions	None
--------------	------

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Rollback	rollback	N/A	Boolean: <ul style="list-style-type: none"> true: rollback last version. false: rollback original version. 	N/A

AUDIT/PolicyMove

This table contains information about the AUDIT's policy move.

XML structure

```

<AUDIT>
  <PolicyMove>
    <Move>
      <SrcPolicyName></SrcPolicyName>
      <DesPolicyName></DesPolicyName>
      <MoveType></MoveType>
    </Move>
  </PolicyMove>
</AUDIT>

```

Table description

Item	Description
Feature name	AUDIT
Table name	PolicyMove
Table type	Multi-instance table
Row name	Move
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SrcPolicyName	Source Policy Name	Index	String: case-insensitive. Length: 1 to 63 characters.	N/A
DesPolicyName	Destination	Index	String: case-insensitive.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
me	Policy Name		Length: 1 to 63 characters.	
MoveType	Moving type for the policy	N/A	Enumeration: <ul style="list-style-type: none"> • 0—Move after a policy. • 1—Move before a policy. 	N/A

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Columns	5
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XML structure	6
Table description	6
Columns	6
AUDIT/SignatureAutoUpgrading	7
XML structure	7
Table description	8
Columns	8

AUDIT

AUDIT/Policies

This table contains information about the AUDIT's policy.

XML structure

```
<AUDIT>
  <Policies>
    <Policy>
      <PolicyName></PolicyName>
      <Disable></Disable>
      <TimeRangeName></TimeRangeName>
      <DefaultRuleAction></DefaultRuleAction>
      <PolicyType></PolicyType>
      <RuleMatchType></RuleMatchType>
    </Policy>
  </Policies>
</AUDIT>
```

Table description

Item	Description
Feature name	AUDIT
Table name	Policies
Table type	Multi-instance table
Row name	Policy
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Policy Name	Index	String: case-insensitive. Length: 1 to 63 characters.	N/A
Disable	Set this value to true to disable the policy	N/A	Boolean: <ul style="list-style-type: none">true.false.	N/A
TimeRangeName	Time Range Name	N/A	String: case-insensitive. Length: 1 to 63 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyType	Policy Type	N/A	Enumeration: <ul style="list-style-type: none"> 0—NoAudit. 1—Audit. 2—Deny. 	The policy type must be set when policy is created.
DefaultRuleAction	Default Rule Action	N/A	Enumeration: <ul style="list-style-type: none"> 0—Permit. 1—Deny. 	N/A
RuleMatchType	Rule Matching Type	N/A	Enumeration: <ul style="list-style-type: none"> 0—Order. 1—Full. 	N/A

AUDIT/PolicyOptions

This table contains some multiple option information about the AUDIT's policy.

XML structure

```

<AUDIT>
  <PolicyOptions>
    <Option>
      <PolicyName></PolicyName>
      <OptionType></OptionType>
      <OptionValue></OptionValue>
    </Option>
  </PolicyOptions>
</AUDIT>

```

Table description

Item	Description
Feature name	AUDIT
Table name	PolicyOptions
Table type	Multi-instance table
Row name	Option
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Policy Name	Index	String: case-insensitive. Length: 1 to 63 characters.	Name can not be same with its siblings. It is Mandatory.
OptionType	Type of the option in the policy	Index	Enumeration: <ul style="list-style-type: none"> • 1—SourceZones. • 2—DestZones. • 3—SourceIPv4AddressSets. • 4—SourceIPv6AddressSets. • 5—DestIPv4AddressSets. • 6—DestIPv6AddressSets. • 7—Users. • 8—User Groups. • 9—Applications. • 10—AppGroups. • 11—Service. 	N/A
OptionValue	Value of the special option type in the policy	Index	String: case-insensitive. Length: 1 to 63 characters (for OptionTypes 9 and 10). Length: 1 to 31 characters (for OptionTypes 1 through 6, and OptionType 11). Length: 1 to 480 characters (for OptionTypes 7 and 8).	Values of OptionTypes 7 and 8 are in Json format.

AUDIT/DefaultPolicyAction

This table contains information about the AUDIT's default policy action.

XML structure

```

<AUDIT>
  <DefaultPolicyAction>
    <DefaultAction>
      <Action></Action>
    </DefaultAction>
  </DefaultPolicyAction>
</AUDIT>

```

Table description

Item	Description
Feature name	AUDIT
Table name	DefaultPolicyAction
Table type	Multi-instance table

Row name	DefaultAction
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Action	Packet Action which not match any Audit's policy	N/A	Enumeration: <ul style="list-style-type: none"> 0—Permit. 1—Deny. 	N/A

AUDIT/ AppPolicyKeywordGroups

This table contains information about the AUDIT's keywordgroup.

XML structure

```

<AUDIT>
  <AppPolicyKeywordGroups>
    <KeywordGroup>
      <KeywordGroupName></KeywordGroupName>
      <Description></Description>
      <RefCnt></RefCnt>
    </KeywordGroup>
  </AppPolicyKeywordGroups>
</AUDIT>

```

Table description

Item	Description
Feature name	AUDIT
Table name	AppPolicyKeywordGroups
Table type	Multi-instance table
Row name	KeywordGroup
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
KeywordGroup pName	Keyword Group	Index	String: case-insensitive.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	Name		Length: 1 to 63 characters.	
Description	Description about keyword group	N/A	String: case-insensitive Length: 1 to 256 characters.	N/A
RefCnt	Refer count about keyword group	N/A	Unsigned integer: Value range: 0 to $2^{16} - 1$.	N/A

AUDIT/Keywords

This table contains information about the keywords of keywordgroup.

XML structure

```

<AUDIT>
  <Keywords>
    <Keyword>
      <KeywordGroupName></KeywordGroupName>
      <Keyword></Keyword>
    </Keyword>
  </Keywords>
</AUDIT>

```

Table description

Item	Description
Feature name	AUDIT
Table name	Keywords
Table type	Multi-instance table
Row name	Keyword
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
KeywordGroup pName	Keyword Group Name	Index	String: case-insensitive. Length: 1 to 63 characters.	N/A
Keyword	Keyword of matching the application behavior content	Index	String: case-sensitive. Length: 1 to 63 characters.	N/A

AUDIT/PolicyRules

This table contains the information of a Audit Rule in specify policy.

XML structure

```
<AUDIT>
  <PolicyRules>
    <Rule>
      <PolicyName></PolicyName>
      <RuleID></RuleID>
      <AppCategoryID></AppCategoryID>
      <AppID></AppID>
      <BehaviorID></BehaviorID>
      <BhContentID></BhContentID>
      <FilterType></FilterType>
      <MatchType></MatchType>
      <KeywordGroupName></KeywordGroupName>
      <Number></Number>
      <PktAction></PktAction>
      <AuditLogging></AuditLogging>
    </Rule>
  </PolicyRules>
</AUDIT>
```

Table description

Item	Description
Feature name	Audit
Table name	PolicyRules
Table type	Multi-instance table
Row name	Rule
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Policy Name	Index	String: case-insensitive. Length: 1 to 63 characters.	N/A
RuleID	Rule ID	Index	Unsigned integer: Value range: 1 to 64.	N/A
AppCategoryl	App Category	N/A	Unsigned integer:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
D	ID		Value range: 0 to $2^{32} - 1$.	
AppID	Application layer protocol ID	N/A	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
BehaviorID	Application Behavior ID	N/A	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
BhContentID	Application behavior content ID	N/A	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
FilterType	Filter type the application behavior content	N/A	Enumeration: <ul style="list-style-type: none"> 0—Keyword Filter. 1—Number Filter. 	N/A
KeywordGroup Name	Keyword Group Name	N/A	String: case-insensitive. Length: 1 to 63 characters.	Contain the keyword for matching application behavior content.
Number	Number	N/A	Unsigned integer: Value range: 0 to $2^{32} - 1$.	Number for matching the application behavior content.
MatchType	Match Type	N/A	Enumeration: <ul style="list-style-type: none"> 0—Equal. 1—Greater. 2—Less. 3—Include. 4—Greater or Equal. 5—Less or Equal. 6—Unequal. 7—Exclude. 	N/A
PktAction	Packet Action	N/A	Enumeration: <ul style="list-style-type: none"> 0—Permit. 1—Deny. 	N/A
AuditLogging	Whether or not send the Audit Logging	N/A	Enumeration: <ul style="list-style-type: none"> 0—Don't Send Audit log. 1—Send Audit log. 	N/A

AUDIT/SignatureAutoUpgrading

This table contains the information of AUDIT signatures auto upgrading.

XML structure

```

<AUDIT>
  <SignatureAutoUpgrading>
    <Enabled></Enabled>
    <StartTime></StartTime>
    <Type></Type>
    <Day></Day>
  </SignatureAutoUpgrading>

```


</AUDIT>

Table description

Item	Description
Feature name	AUDIT
Table name	SignatureAutoUpgrading
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Enabled	Enabled or disabled	N/A	Boolean: <ul style="list-style-type: none">true.false.	N/A
StartTime	The time that the system auto upgrading	N/A	Date Time. Format: HH:MM:SS	N/A
Type	Type of the system auto upgrading	N/A	Enumeration: <ul style="list-style-type: none">0—Week.1—periodic.	N/A
Day	Days	N/A	Unsigned integer: Value range: 0-6.	When Type is 0, the value range is 0 to 6. Otherwise, the value is invalid.

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AUDIT

AUDIT/ Policies

This table contains information about the AUDIT's policy.

XML structure

```
<AUDIT>
  <Policies>
    <Policy>
      <PolicyName></PolicyName>
      <Disable></Disable>
      <TimeRangeName></TimeRangeName>
      <DefaultRuleAction></DefaultRuleAction>
      <PolicyType></PolicyType>
      <RuleMatchType></RuleMatchType>
    </Policy>
  </Policies>
</AUDIT>
```

Table description

Item	Description
Feature name	AUDIT
Table name	Policies
Table type	Multi-instance table
Row name	Policy
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Policy Name	Index	String: case-insensitive. Length: 1 to 63 characters.	N/A
Disable	Set this value to true to disable the policy	N/A	Boolean: <ul style="list-style-type: none">true.false.	N/A
TimeRangeName	Time Range Name	N/A	String: case-insensitive. Length: 1 to 63 characters.	N/A
PolicyType	Policy Type	N/A	Enumeration: <ul style="list-style-type: none">0—NoAudit.	The policy type must be set when policy is

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 1—Audit. 2—Deny. 	created.
DefaultRuleAction	Default Rule Action	N/A	Enumeration: <ul style="list-style-type: none"> 0—Permit. 1—Deny. 	N/A
RuleMatchType	Rule Matching Type	N/A	Enumeration: <ul style="list-style-type: none"> 0—Order. 1—Full. 	N/A

AUDIT/PolicyOptions

This table contains some multiple information about the AUDIT's policy.

XML structure

```

<AUDIT>
  <PolicyOptions>
    <Option>
      <PolicyName></PolicyName>
      <OptionType></OptionType>
      <OptionValue></OptionValue>
    </Option>
  </PolicyOptions>
</AUDIT>

```

Table description

Item	Description
Feature name	AUDIT
Table name	PolicyOptions
Table type	Multi-instance table
Row name	Option
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Policy Name	Index	String: case-insensitive. Length: 1 to 63 characters.	Name can not be same with its siblings. It is Mandatory

Column name	Column description	Column type	Data type and restrictions	Remarks
OptionType	Type of the option in the policy	Index	Enumeration: <ul style="list-style-type: none"> 1—SourceZones. 2—DestZones. 3—SourceIPv4AddressSets. 4—SourceIPv6AddressSets. 5—DestIPv4AddressSets. 6—DestIPv6AddressSets. 7—Users. 8—User Groups. 9—Applications. 10—AppGroups. 11—Service. 	N/A
OptionValue	Value of the special option type in the policy	Index	String: case-insensitive. Length: 1 to 63 characters (for OptionTypes 9 and 10). Length: 1 to 31 characters (for OptionTypes 1 through 6, and OptionType 11). Length: 1 to 480 characters (for OptionTypes 7 and 8).	Values of OptionTypes 7 and 8 are in Json format.

AUDIT/DefaultPolicyAction

This table contains information about the AUDIT's default policy action.

XML structure

```

<AUDIT>
  <DefaultPolicyAction>
    <DefaultAction>
      <Action></Action>
    </DefaultAction>
  </DefaultPolicyAction>
</AUDIT>

```

Table description

Item	Description
Feature name	AUDIT
Table name	DefaultPolicyAction
Table type	Multi-instance table
Row name	DefaultAction
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Action	Packet Action which not match any Audit's policy	N/A	Enumeration: <ul style="list-style-type: none">0—Permit.1—Deny.	N/A

AUDIT/AppPolicyKeywordGroups

This table contains information about the AUDIT's keywordgroup.

XML structure

```
<AUDIT>
  <AppPolicyKeywordGroups>
    <KeywordGroup>
      <KeywordGroupName></KeywordGroupName>
      <Description></Description>
      <RefCnt></RefCnt>
    </KeywordGroup>
  </AppPolicyKeywordGroups>
</AUDIT>
```

Table description

Item	Description
Feature name	AUDIT
Table name	AppPolicyKeywordGroups
Table type	Multi-instance table
Row name	KeywordGroup
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
KeywordGroup pName	Keyword Group Name	Index	String: case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description about keyword group	N/A	String: case-insensitive. Length: 1 to 256 characters.	N/A
RefCnt	Refer count about keyword	N/A	Unsigned integer: Value range: 0 to $2^{16} - 1$.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	group			

AUDIT/Keywords

This table contains information about the keywords of keywordgroup.

XML structure

```

<AUDIT>
  <Keywords>
    <Keyword>
      <KeywordGroupName></KeywordGroupName>
      <Keyword></Keyword>
    </Keyword>
  </Keywords>
</AUDIT>

```

Table description

Item	Description
Feature name	AUDIT
Table name	Keywords
Table type	Multi-instance table
Row name	Keyword
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
KeywordGroup pName	Keyword Group Name	Index	String: case-insensitive. Length: 1 to 63 characters.	N/A
Keyword	Keyword of matching the application behavior content	Index	String: case-sensitive. Length: 1 to 63 characters.	N/A

AUDIT/PolicyRules

This table contains the information of a Audit Rule in specify policy.

XML structure

```
<AUDIT>
  <PolicyRules>
    <Rule>
      <PolicyName></PolicyName>
      <RuleID></RuleID>
      <AppCategoryID></AppCategoryID>
      <AppID></AppID>
      <BehaviorID></BehaviorID>
      <BhContentID></BhContentID>
      <FilterType></FilterType>
      <MatchType></MatchType>
      <KeywordGroupName></KeywordGroupName>
      <Number></Number>
      <PktAction></PktAction>
      <AuditLogging></AuditLogging>
    </Rule>
  </PolicyRules>
</AUDIT>
```

Table description

Item	Description
Feature name	Audit
Table name	PolicyRules
Table type	Multi-instance table
Row name	Rule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Policy Name	Index	String: case-insensitive. Length: 1 to 63 characters.	N/A
RuleID	Rule ID	Index	Unsigned integer: Value range: 1 to 64.	N/A
AppCategoryID	App Category ID	N/A	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
AppID	Application layer protocol ID	N/A	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
BehaviorID	Application Behavior ID	N/A	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
BhContentID	Application behavior content ID	N/A	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
FilterType	Filter type the application behavior content	N/A	Enumeration: <ul style="list-style-type: none"> 0—Keyword Filter. 1—Number Filter. 	N/A
KeywordGroupName	Keyword Group Name	N/A	String: case-insensitive. Length: 1 to 63 characters.	Contain the keyword for matching application behavior content.
Number	Number	N/A	Unsigned integer: Value range: 0 to $2^{32} - 1$.	Number for matching the application behavior content.
MatchType	Match Type	N/A	Enumeration: <ul style="list-style-type: none"> 0—Equal. 1—Greater. 2—Less. 3—Include. 4—Greater or Equal. 5—Less or Equal. 6—Unequal. 7—Exclude. 	N/A
PktAction	Packet Action	N/A	Enumeration: <ul style="list-style-type: none"> 0—Permit. 1—Deny. 	N/A
AuditLogging	Whether or not send the Audit Logging	N/A	Enumeration: <ul style="list-style-type: none"> 0—Don't Send Audit log. 1—Send Audit log. 	N/A

AUDIT/AppBehaviors

This table contains the behavior of the application or application category.

XML structure

```

<AUDIT>
  <AppBehaviors>
    <AppBehavior>
      <AppCategoryID></AppCategoryID>
      <AppID></AppID>
      <BehaviorIDs>
        <BehaviorID></BehaviorID>
      </BehaviorIDs>
    </AppBehavior>
  </AppBehaviors>
</AUDIT>

```

Table description

Item	Description
Feature name	Audit
Table name	AppBehaviors
Table type	Multi-instance table
Row name	AppBehavior
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AppCategoryID	App Category ID	Index	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
AppID	Application layer protocol ID	Index	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
BehaviorIDs	Behavior ID list	Data structure	Members include: <ul style="list-style-type: none">BehaviorID.	N/A
BehaviorID	Behavior ID	N/A	Unsigned integer: Value range: 0 to $2^{32} - 1$.	Contains Multiple BehaviorID in the application or application category.

AUDIT/AppBehaviorContents

This table contains the behavior Content of the application or application category.

XML structure

```
<AUDIT>
  <AppBehaviorContents>
    <BhContent>
      <AppCategoryID></AppCategoryID>
      <AppID></AppID>
      <BehaviorID></BehaviorID>
      <BhContentIDs>
        <BhContentID></BhContentID>
      </BhContentIDs>
    </BhContent>
  </AppBehaviorContents>
</AUDIT>
```

Table description

Item	Description
Feature name	Audit
Table name	AppBehaviorContents
Table type	Multi-instance table
Row name	BhContent
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AppCategoryID	App Category ID	Index	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
AppID	Application layer protocol ID	Index	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
BehaviorID	Behavior ID	Index	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
BhContentIDs	Behavior content ID list	Data structure	Members include: <ul style="list-style-type: none">BhContentID.	N/A
BhContentID	Behavior content ID	N/A	Unsigned integer. Value range: 0 to $2^{32} - 1$.	Contains Multiple BhContentID in the application or application category.

AUDIT/AppBhContentsFilterType

This table contains the behavior content filter type of the application or application category.

XML structure

```
<AUDIT>
  <AppBhContentFilterType>
    <BhContentFilterType>
      <AppCategoryID></AppCategoryID>
      <AppID></AppID>
      <BehaviorID></BehaviorID>
      <BhContentID></BhContentID>
      <FilterType></FilterType>
    </BhContentFilterType>
  </AppBhContentFilterType>
</AUDIT>
```

Table description

Item	Description
Feature name	Audit
Table name	AppBhContentFilterType
Table type	Multi-instance table
Row name	BhContentFilterType
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AppCategoryID	App Category ID	Index	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
AppID	Application layer protocol ID	Index	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
BehaviorID	Behavior ID	Index	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
BhContentID	Behavior content ID	Index	Unsigned integer. Value range: 0 to $2^{32} - 1$.	N/A
FilterType	Filter type the application behavior content	N/A	Enumeration: <ul style="list-style-type: none">0—Keyword Filter.1—Number Filter.	N/A

AUDIT/AppCategories

This table contains informations about the Audit's application categories.

XML structure

```
<AUDIT>
  <AppCategories>
    <AppCategory>
      <AppCategoryID></AppCategoryID>
      <AppCategoryName></AppCategoryName>
    </AppCategory>
  </AppCategories>
</AUDIT>
```

Table description

Item	Description
Feature name	Audit
Table name	AppCategories
Table type	Multi-instance table
Row name	AppCategory
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AppCategoryID	App Category ID	Index	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
AppCategory Name	App Category Name	N/A	String: case-insensitive. Length: 1 to 63 characters.	N/A

AUDIT/AppCategoryMembers

This table contains the Audit's application protocols included in an application category.

XML structure

```
<AUDIT>
  <AppCategoryMembers>
    <AppCategoryMember>
      <AppCategoryID></AppCategoryID>
      <AppID></AppID>
      <AppName></AppName>
    </AppCategoryMember>
  </AppCategoryMembers>
</AUDIT>
```

Table description

Item	Description
Feature name	Audit
Table name	AppCategoryMembers
Table type	Multi-instance table
Row name	AppCategoryMember

Restrictions	None
--------------	------

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AppCategoryID	App Category ID	Index	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
AppID	Application layer protocol ID	Index	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
AppName	Application layer protocol name	N/A	String: case-insensitive. Length: 1 to 63 characters.	N/A

AUDIT/Behaviors

This table contains informations about the Audit's application behaviors

XML structure

```
<AUDIT>
  <Behaviors>
    <Behavior>
      <BehaviorID></BehaviorID>
      <BehaviorName></BehaviorName>
    </Behavior>
  </Behaviors>
</AUDIT>
```

Table description

Item	Description
Feature name	Audit
Table name	Behaviors
Table type	Multi-instance table
Row name	Behavior
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorID	App Behavior ID	Index	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	App Behavior Name	N/A	String: case-insensitive. Length: 1 to 63 characters.	N/A

AUDIT/BehaviorContents

This table contains informations about the Audit's application behavior contents.

XML structure

```

<AUDIT>
  <BehaviorContents>
    <BehaviorContent>
      <BhContentID></BhContentID>
      <BhContentName></BhContentName>
    </BehaviorContent>
  </BehaviorContents>
</AUDIT>

```

Table description

Item	Description
Feature name	Audit
Table name	BehaviorContents
Table type	Multi-instance table
Row name	BehaviorContent
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BhContentID	App Behavior Content ID	Index	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
BhContentName	App Behavior Content Name	N/A	String, case-insensitive: Length: 1 to 63 characters.	N/A

AUDIT/SignatureAutoUpgrading

This table contains the information of AUDIT signatures auto upgrading.

XML structure

```
<AUDIT>
  <SignatureAutoUpgrading>
    <Enabled></Enabled>
    <StartTime></StartTime>
    <Type></Type>
    <Day></Day>
  </SignatureAutoUpgrading>
</AUDIT>
```

Table description

Item	Description
Feature name	AUDIT
Table name	SignatureAutoUpgrading
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Enabled	Enabled or disabled	N/A	Boolean: <ul style="list-style-type: none">true.false.	N/A
StartTime	The time that the system auto upgrading	N/A	Date Time. Format: HH:MM:SS.	N/A
Type	Type of the system auto upgrading	N/A	Enumeration: <ul style="list-style-type: none">0—Week.1—periodic.	N/A
Day	Days	N/A	Unsigned integer: Value range: 0-6.	When Type is 0, the value range is 0 to 6. Otherwise, the value is invalid.

AUDIT/SignatureFileInfos

This table contains the signature file information.

XML structure

```
<AUDIT>
  <SignatureFileInfos>
    <FileInfo>
      <FileStatus></FileStatus>
      <Version></Version>
      <PublishedTime></PublishedTime>
      <Description></Description>
    </FileInfo>
  </SignatureFileInfos>
</AUDIT>
```

Table description

Item	Description
Feature name	AUDIT
Table name	SignatureFileInfos
Table type	MultiSingle-instance table
Row name	FileInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
FileStatus	signature file Status	Index	Enumeration: <ul style="list-style-type: none">1—current.2—last.3—factory.	N/A
Version	Version of the signature file	N/A	String: case-insensitive. Length: 1 to 31 characters.	v.v(2.1)
PublishedTime	The time when the signature is published	N/A	DateTime. Format: YYYY-MM-DDTHH:MM:SS.	Consider time-zone.
Description	DescriptionInformation	N/A	String: case-insensitive Length: 1 to 255 characters.	N/A

AUDIT/UpdatePercentage

This table contains the percentage of update.

XML structure

```
<AUDIT>
  <UpdatePercentage>
    <Percentage></Percentage>
  </UpdatePercentage>
</AUDIT>
```

Table description

Item	Description
Feature name	AUDIT
Table name	UpdatePercentage
Table Type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Percentage	the percentage of update.	N/A	Unsigned integer:	When the value range is 0 to 100,it means in upgrading, Otherwise, means error.

AUDIT/KeywordGroupReferences

This table contains the information about the relationship between AUDIT's policys and keywordgroups.

XML structure

```
<AUDIT>
  <KeywordGroupReferences>
    <KeywordGroupReference>
      <KeywordGroupName></KeywordGroupName>
      <PolicyName></PolicyName>
      <RuleID></RuleID>
    </KeywordGroupReference>
  </KeywordGroupReferences>
</AUDIT>
```

Table description

Item	Description
Feature name	AUDIT
Table name	KeywordGroupReferences
Table type	Multi-instance table
Row name	KeywordGroupReference
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
KeywordGroupPName	Keyword Group Name	Index	String: case-insensitive. Length: 1 to 63 characters.	N/A
PolicyName	Policy Name	Index	String: case-insensitive. Length: 1 to 63 characters.	N/A
RuleID	Rule ID	Index	Unsigned integer: Value range: 1 to 64.	N/A

AUDIT/AUDITSpecification

This table contains the AUDIT specification information.

XML structure

```
<AUDIT>
  <AUDITSpecification>
    <SupportDomain></SupportDomain>
  </AUDITSpecification>
</AUDIT>
```

Table description

Item	Description
Feature name	AUDIT
Table name	AUDITSpecification
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SupportDomain	Whether the function of AUDIT domain is supported.	N/A	Boolean: <ul style="list-style-type: none">• true.• false.	N/A

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Resource Summary for AUDIT

Resource(Table)	Base URL	HTTP Method			
		GET	POST	PUT	DELETE
Policies	/api/v1/AUDIT/Policies	Y	Y	Y	Y
PolicyOptions	/api/v1/AUDIT/PolicyOptions	Y	Y	Y	Y
DefaultPolicyAction	/api/v1/AUDIT/DefaultPolicyAction	Y	N	Y	Y
AppPolicyKeywordGroups	/api/v1/AUDIT/AppPolicyKeywordGroups	Y	Y	Y	Y
Keywords	/api/v1/AUDIT/Keywords	Y	Y	Y	Y
PolicyRules	/api/v1/AUDIT/PolicyRules	Y	Y	Y	Y
AppBehaviors	/api/v1/AUDIT/AppBehaviors	Y	N	N	N
AppBehaviorContents	/api/v1/AUDIT/AppBehaviorContents	Y	N	N	N
AppCategories	/api/v1/AUDIT/AppCategories	Y	N	N	N
AppCategoryMembers	/api/v1/AUDIT/AppCategoryMembers	Y	N	N	N
Behaviors	/api/v1/AUDIT/Behaviors	Y	N	N	N
BehaviorContents	/api/v1/AUDIT/BehaviorContents	Y	N	N	N
SignatureAutoUpgrading	/api/v1/AUDIT/SignatureAutoUpgrading	Y	N	Y	Y
SignatureFileInfos	/api/v1/AUDIT/SignatureFileInfos	Y	N	N	N
UpdatePercentage	/api/v1/AUDIT/UpdatePercentage	Y	N	N	N
KeywordGroupReferences	/api/v1/AUDIT/KeywordGroupReferences	Y	Y	Y	Y
AUDITSpecification	/api/v1/AUDIT/AUDITSpecification	Y	N	N	N

AUDIT

Policies

This table contains information about the AUDIT's policy.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Policy Name	Index	String: case-insensitive. Length: 1 to 63 characters.	N/A
Disable	Set this value to true to disable the policy	N/A	Boolean: <ul style="list-style-type: none">• true.• false.	N/A
TimeRangeName	Time Range Name	N/A	String: case-insensitive. Length: 1 to 63 characters.	N/A
PolicyType	Policy Type	N/A	Enumeration: <ul style="list-style-type: none">• 0—NoAudit.• 1—Audit.• 2—Deny.	The policy type must be set when a policy is created.
DefaultRuleAction	Default Rule Action	N/A	Enumeration: <ul style="list-style-type: none">• 0—Permit.• 1—Deny.	N/A
RuleMatchType	Rule Matching Type	N/A	Enumeration: <ul style="list-style-type: none">• 0—Order.• 1—Full.	N/A

Example

Example 1: Get data from the resource table.

Json Request

GET /api/v1/AUDIT/Policies?index= PolicyName%3D1

Json Response

```
{
  "PolicyName" : "1",
  "Disable" : false,
  "TimeRangeName" : "1",
  "PolicyType" : 0,
  "DefaultRuleAction" : 0
}
```

Example 2: Add new Instance for the resource table.

Json Request

POST /api/v1/AUDIT/Policies


```
{
  "PolicyName" : "policy",
  "PolicyType" : 1,
  "Disable" : true
}
```

Json Response

201 Created

Example 3: Change the data for the assigned instance.

Json Request

PUT /api/v1/AUDIT/Policies?index= PolicyName%3D2

```
{
  "PolicyName" : "2",
  "PolicyType" : 1,
  "Disable" : false,
}
```

Json Response

204 No Content

Example 4: Delete the assigned instance from the resource table.

Json Request

DELETE /api/v1/AUDIT/Policies?index= PolicyName%3D2

Json Response

204 No Content

PolicyOptions

This table contains some multiple information about the AUDIT's policy.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Policy Name	Index	String: case-insensitive. Length: 1 to 63 characters.	The name cannot be the same as its siblings.

Column name	Column description	Column type	Data type and restrictions	Remarks
				It is Mandatory.
OptionType	Type of the option in the policy	Index	Enumeration: <ul style="list-style-type: none"> 1—SourceZones. 2—DestZones. 3—SourceIPv4AddressSets. 4—SourceIPv6AddressSets. 5—DestIPv4AddressSets. 6—DestIPv6AddressSets. 7—Users. 8—UserGroups. 9—Applications. 10—AppGroups. 11—Service. 	N/A
OptionValue	Value of the option type in the policy	Index	String: case-insensitive. Length: 1 to 63 characters(for OptionTypes 9 and 10). Length: 1 to 31 characters (for OptionTypes 1 through 6, and OptionType 11). Length: 1 to 480 characters(for OptionTypes 7 and 8).	Values of OptionTypes 7 and 8 are in Json format

Example

Example 1: Get data from the resource table.

Json Request

GET /api/v1/AUDIT/PolicyOptions

Json Response

200 OK

```
{
  "PolicyOptions": [
    {
      "PolicyName": "1",
      "OptionType": 1,
      "OptionValue": "in"
    },
    {
      "PolicyName": "1",
      "OptionType": 3,
      "OptionValue": "112.1.1.1"
    }
  ]
}
```

```

        "PolicyName" : "1",
        "OptionType" : 7,
        "OptionValue" : {"name":"xxx","domain":"xxx"}
    },
    {
        "PolicyName" : "1",
        "OptionType" : 8,
        "OptionValue" : {"name":"xxx","domain":"xxx"}
    }
}
]]

```

Example 2: Add a new instance for the resource table.

Json Request

POST /api/v1/AUDIT/PolicyOptions

```

{
    "PolicyName" : "1",
    "OptionType" : 7,
    "OptionValue" : {"name":"xxx","domain":"xxx"}
}

```

Json Response

201 Created

Example 3: Delete the assigned instance from the resource table.

Json Request

DELETE/api/v1/AUDIT/PolicyOptions?index=PolicyName%3D1%3BOptionType%3D7%3BOptionValue%3D{"name":"xxx","domain":"xxx"}

Json Response

204 No Content

DefaultPolicyAction

This table contains information about the AUDIT's default policy action.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
Action	Action for packets that do not match any Audit's policy	N/A	Enumeration: <ul style="list-style-type: none">• 0—Permit.• 1—Deny.	N/A

Example

Example 1: Get data from the resource table.

Json Request

GET /api/v1/AUDIT/DefaultPolicyAction

Json Response

```
{"Action" : 0}
```

Example 2: Change the data to the resource table.

Json Request

PUT /api/v1/AUDIT/DefaultPolicyAction

```
{"Action" : 1}
```

Json Response

204 No Content

Example 3: Delete the data from the resource table.

Json Request

DELETE /api/v1/AUDIT/DefaultPolicyAction

Json Response

204 No Content

AppPolicyKeywordGroups

This table contains information about the AUDIT's keyword group.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
KeywordGroupName	Keyword Group Name	Index	String: case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description about keyword group	N/A	String: case-insensitive Length: 1 to 256 characters.	N/A
RefCnt	Refer count about keyword group	N/A	Unsigned integer: Value range: 0 to $2^{16} - 1$.	N/A

Example

Example 1: Get data from the resource table.

Json Request

GET /api/v1/AUDIT/KeywordGroups

Json Response

```
{
  "KeywordGroupName" : "aaa",
  "RefCnt" : 1,
}
```

Example 2: Add new Instance for the resource table.

Json Request

POST /api/v1/AUDIT/KeywordGroups

```
{"KeywordGroupName" : "aaa"}
```

Json Response

201 Created

Example 3: Delete the assigned instance from the resource table.

Json Request

DELETE /api/v1/AUDIT/KeywordGroups?index= KeywordGroupName%3Daaa

Json Response

204 No Content

Keywords

This table contains information about the keywords of keyword group.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
KeywordGroup Name	Keyword Group Name	Index	String: case-insensitive. Length: 1 to 63 characters.	N/A
Keyword	Keyword of matching the application behavior content	Index	String: case-sensitive. Length: 1 to 63 characters.	N/A

Example

Example 1: Get data from the resource table.

Json Request

GET /api/v1/AUDIT/Keywords

Json Response

200 OK

```
{"Keywords" : [  
  {  
    "KeywordGroupName" : "1",  
    "Keyword" : "in"  
  },  
  {  
    "KeywordGroupName" : "1",  
    "Keyword" : "aaa"  
  }  
]}
```

Example 2: Add new Instance for the resource table.

Json Request

POST /api/v1/AUDIT/Keywords

```
{  
  "KeywordGroupName" : "1"  
  "Keyword" : "ccc"  
}
```

Json Response

201 Created

Example 3: Delete the assigned instance from the resource table.

Json Request

DELETE/api/v1/AUDIT/Keywords?index= KeywordGroupName%3D1%3B Keyword%3Dccc

Json Response

204 No Content

PolicyRules

This table contains the information of a Audit Rule in specify policy.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Policy Name	Index	String: case-insensitive. Length: 1 to 63 characters.	N/A
RuleID	Rule ID	Index	Unsigned integer: Value range: 1 to 64.	N/A
AppCategoryID	App Category ID	N/A	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
AppID	Application layer protocol ID	N/A	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
BehaviorID	Application Behavior ID	N/A	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
BhContentID	Application behavior content ID	N/A	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
FilterType	Filter type the application behavior content	N/A	Enumeration: <ul style="list-style-type: none">0—Keyword Filter.1—Number Filter.	N/A
KeywordGroupName	Keyword Group Name	N/A	String: case-insensitive. Length: 1 to 63 characters.	Contain the keyword for matching application behavior contents.
Number	Number	N/A	Unsigned integer: Value range: 0 to $2^{32} - 1$.	Number for matching the application behavior contents.
MatchType	Match Type	N/A	Enumeration: <ul style="list-style-type: none">0—Equal.1—Greater.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> • 2—Less. • 3—Include. • 4—Greater or Equal. • 5—Less or Equal. • 6—Unequal. • 7—Exclude. 	
PktAction	Packet Action	N/A	Enumeration: <ul style="list-style-type: none"> • 0—Permit. • 1—Deny. 	N/A
AuditLogging	Whether or not send the Audit Logging	N/A	Enumeration: <ul style="list-style-type: none"> • 0—Don't Send Audit log. • 1—Send Audit log. 	N/A

Example

Example 1: Get data from the resource table.

Json Request

GET /api/v1/AUDIT/PolicyRules

Json Response

```
{
  "PolicyName" : "1",
  "RuleID" : 1,
  "AppCategoryID" : 1,
  "AppID" : 1,
  "BehaviorID" : 1,
  "BhContentID" : 1,
  "FilterType" : 0,
  "KeywordGroupNames" : "1",
  "MatchType" : 0,
  "PktAction" : 1,
  "AuditLogging" : 0
}
```

Example 2: Add new Instance for the resource table.

Json Request

POST /api/v1/AUDIT/PolicyRules

```
{
  "PolicyName" : "1",
```



```
"RuleID" : 1,
"AppCategoryID" : 1,
"AppID" : 1,
"BehaviorID" : 1,
"BhContentID" : 1,
"FilterType" : 0,
"KeywordGroupNames" : "1",
"MatchType" : 0,
"PktAction" : 1,
"AuditLogging" : 0
}
```

Json Response

201 Created

Example 3: Change the data for the assigned instance.

Json Request

PUT /api/v1/AUDIT/PolicyRules?index=PolicyName %3D1%3B RuleID %3D1

```
{
  "PolicyName" : "1",
  "RuleID" : 1,
  "AppCategoryID" : 2,
  "AppID" : 2,
  "BehaviorID" : 2,
  "BhContentID" : 2,
  "FilterType" : 0,
  "KeywordGroupNames" : "1",
  "MatchType" : 0,
  "PktAction" : 1,
  "AuditLogging" : 1
}
```

Json Response

204 No Content

Example 4: Delete the assigned instance from the resource table.

Json Request

DELETE /api/v1/AUDIT/PolicyRules?index=PolicyName %3D1%3B RuleID %3D1

Json Response

204 No Content

AppBehaviors

This table is read-only.

This table contains the behavior of the application or application category.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
AppCategoryID	App Category ID	Index	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
AppID	Application layer protocol ID	Index	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
BehaviorIDs	Behavior ID list	Data structure	Members include: <ul style="list-style-type: none">BehaviorID.	N/A
BehaviorID	Behavior ID	N/A	Unsigned integer: Value range: 0 to $2^{32} - 1$.	Contains multiple BehaviorID in the application or application category.

Example

Example 1: Get data from the resource table.

Json Request

GET /api/v1/AUDIT/AppBehaviors

Json Response

200 OK

```
{"AppBehaviors": [  
  {  
    "AppCategoryID" : 1,  
    "AppID" : 1,  
    "BehaviorID" : 1  
  },  
  {  
    "AppCategoryID" : 1,  
    "AppID" : 3,
```

```

        "BehaviorID" : 2
    }
}

```

AppBehaviorContents

This table is read-only.

This table contains the behavior content of the application or application category.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
AppCategoryID	App Category ID	Index	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
AppID	Application layer protocol ID	Index	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
BehaviorID	Behavior ID	Index	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
BhContentIDs	Behavior content ID list	Data structure	Members include: • BhContentID.	N/A
BhContentID	Behavior content ID	N/A	Unsigned integer. Value range: 0 to $2^{32} - 1$.	Contains multiple BhContentID in the application or application category.

Example

Example 1: Get data from the resource table.

Json Request

GET /api/v1/AUDIT/AppBehaviorContents

Json Response

200 OK

```

{"AppBehaviors": [
    {
        "AppCategoryID" : 1,
        "AppID" : 1,
        "BehaviorID" : 1,
        " BhContentID " : 1,
    },
    {

```

```

        "AppCategoryID" : 1,
        "AppID" : 3,
        "BehaviorID" : 2,
        " BhContentID " : 2,
    }
}

```

AppCategories

This table is read-only.

This table contains information about the Audit's application categories.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
AppCategoryID	App Category ID	Index	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
AppCategoryName	App Category Name	N/A	String: case-insensitive. Length: 1 to 63 characters.	N/A

Example

Example 1: Get data from the resource table.

Json Request

```
GET /api/v1/AUDIT/AppCategories?index=AppCategoryID%3D0
```

Json Response

```

{
    "AppCategoryID" : 0,
    "AppCategoryName" : "IM"
}

```

AppCategoryMembers

This table is read-only.

This table contains the Audit's application protocols included in an application category.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
AppCategoryID	App Category ID	Index	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
AppID	Application layer protocol ID	Index	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
AppName	Application layer protocol name	N/A	String: case-insensitive. Length: 1 to 63 characters.	N/A

Example

Example 1: Get data from the resource table.

Json Request

GET /api/v1/AUDIT/AppCategoryMembers?index=AppCategoryID%3D0%3B AppID%3D1

Json Response

```
{
  "AppCategoryID" : 0,
  "AppID" : 915,
  "AppName" : "QQ",
}
```

Behaviors

This table is read-only.

This table contains information about the Audit's application behaviors.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorID	App Behavior ID	Index	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
BehaviorName	App Behavior Name	N/A	String: case-insensitive. Length: 1 to 63 characters.	N/A

Example

Example 1: Get data from the resource table.

Json Request

GET /api/v1/AUDIT/AppBehaviors?index= BehaviorID%3D1

Json Response

```
{
  "BehaviorID" : 1,
  "BehaviorName" : "login"
}
```

BehaviorContents

This table is read-only.

This table contains information about the Audit's application behavior contents.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
BhContentID	App Behavior Content ID	Index	Unsigned integer: Value range: 0 to $2^{32} - 1$.	N/A
BhContentName	App Behavior Content Name	N/A	String, case-insensitive: Length: 1 to 63 characters.	N/A

Example

Example 1: Get data from the resource table.

Json Request

GET /api/v1/AUDIT/BehaviorContents?index=BhContentID %3D1

Json Response

```
{
  "BhContentID" : 1,
  "BhContentName" : "account",
}
```

SignatureAutoUpgrading

This table contains the information of AUDIT signatures auto upgrading.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
Enabled	Enabled or disabled	N/A	Boolean: <ul style="list-style-type: none">• true.• false.	N/A
StartTime	Start time for system auto upgrading	N/A	DateTime. Format: HH:MM:SS.	N/A
Type	Type of the system auto upgrading	N/A	Enumeration: <ul style="list-style-type: none">• 0—Week.• 1—periodic.	N/A
Day	Days	N/A	Unsigned integer: Value range: 0 to 6.	When Type is 0, the value range is 0 to 6. Otherwise, the value is invalid.

Example

Example 1: Get data from the resource table.

Json Request

GET /api/v1/AUDIT/SignatureAutoUpgrading

Json Response

```
{
  "Enabled" : true,
  "StartTime" : "02:00:00",
  "Type" : 1,
  "Day" : 1
}
```

Example 2: Change the data to the resource table.

Json Request

PUT /api/v1/AUDIT/SignatureAutoUpgrading

```
{
  "Enabled" : true,
  "StartTime" : "03:00:00",
  "Type" : 1,
  "Day" : 3
}
```

Json Response

204 No Content

Example 3: Delete the data from the resource table.

Json Request

DELETE /api/v1/AUDIT/SignatureAutoUpgrading

Json Response

204 No Content

SignatureFileInfos

This table is read-only.

This table contains the signature file information.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
FileStatus	signature file Status	Index	Enumeration: <ul style="list-style-type: none">1—current.2—last.3—factory.	N/A
Version	Version of the signature file	N/A	String: case-insensitive Length: 1 to 31 characters.	v.v(2.1)
PublishedTime	The time when the signature is published	N/A	DateTime. Format: YYYY-MM-DDTHH:MM:SS.	Consider time zone difference.
Description	DescriptionInformation	N/A	String: case-insensitive Length: 1 to 255 characters.	N/A

Example

Example 1: Get data from the resource table.

Json Request

GET /api/v1/AUDIT/SignatureFileInfos?index=Versio %3D1

Json Response

```
{  
  "FileStatus" : 1,
```



```

    "Version" : "1.0.0",
    "PublishedTime" : " 2016-04-30T08:11:03 ",
    "Description" : "1.0.0"
  }

```

UpdatePercentage

This table is read-only.

This table contains information about AUDIT signatures auto upgrading.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
Percentage	Update progress.	N/A	Unsigned integer:	When the value range is 0 to 100, it means an upgrade is in progress. Otherwise, it means an error.

Example

Example 1: Get data from the resource table.

Json Request

```
GET /api/v1/AUDIT/UpdatePercentage
```

Json Response

```
{"Percentage" : 100}
```

KeywordGroupReferences

This table contains the information about the relationship between AUDIT's policys and keywordgroups.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
KeywordGroup Name	Keyword Group Name	Index	String: case-insensitive. Length: 1 to 63 characters.	N/A
PolicyName	Policy Name	Index	String: case-insensitive. Length: 1 to 63 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
RuleID	Rule ID	Index	Unsigned integer: Value range: 1 to 64.	N/A

Example

Example 1: Get data from the resource table.

Json Request

GET /api/v1/AUDIT/ KeywordGroupReferences

Json Response

200 OK

```
{ "KeywordGroupReferences ": [
  {
    "KeywordGroupName" : "kw1",
    "PolicyName" : "p1",
    "RuleID" : 1
  },
  {
    "KeywordGroupName" : "kw1",
    "PolicyName" : "p2",
    "RuleID" : 2
  }
]}
```

AUDITSpecification

This table contains the AUDIT specification information.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
SupportDomain	Whether the function of AUDIT domain is supported.	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	N/A

Example

Example 1: Get AUDIT specification information.

Json Request

GET /api/v3/AUDIT/AUDITSpecification

Json Response

200 OK

```
{
  AUDITSpecification:
    [{
      "SupportDomain" : "true"
    }]
}
```

Contents

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AVC

AVC/MoveTrafficPolicyRule

This table contains information about the AVC's rule number information.

XML structure

```
<AVC>
  <MoveTrafficPolicyRule>
    <Move>
      <RuleNumber></RuleNumber>
      <NextRuleNumber></NextRuleNumber>
    </Move>
  </MoveTrafficPolicyRule>
</AVC>
```

Table description

Item	Description
Feature name	AVC
Table name	MoveTrafficPolicyRule
Table type	Multi-instance table
Row name	Move
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RuleNumber	Rule number	Index	Unsigned integer: 1 to 4294967295	Rule number is the match order.
NextRuleNumber	Next rule's rule number	N/A	Unsigned integer: 0 to 4294967295	Single value

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XML structure	3
Table description	4
Columns	4
AVC/ RuleJsonOptions	6
XML structure	6
Table description	7
Columns	7

AVC

AVC/TrafficPolicyRules

This table contains information about the AVC's rule information.

XML structure

```
<AVC>
  <TrafficPolicyRules>
    <Rule>
      <RuleNumber></RuleNumber>
      <ParentRuleNumber></ParentRuleNumber>
      <RuleName></RuleName>
      <Enable></Enable>
      <TimeRange></TimeRange>
      <Action>
        <ProfileName></ProfileName>
      </Action>
      <ModelId></ModelId>
    </Rule>
  </TrafficPolicyRules>
</AVC>
```

Table description

Item	Description
Feature name	AVC
Table name	TrafficPolicyRules
Table type	Multi-instance table
Row name	Rule
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RuleNumber	Rule number	Index	Unsigned integer: Value range: 1 to 4294967295.	Rule number is the match order.
ParentRuleNumber	Parent Rule's rule number	N/A	Unsigned integer: Value range: 1 to 4294967295.	Optional

Column name	Column description	Column type	Data type and restrictions	Remarks
RuleName	name	N/A	String, case-insensitive. Length: 1 to 63 characters.	Name cannot be same with its siblings. Mandatory
Enable	Set this value to true to disable the rule	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	Optional
TimeRange	Time Range Name	N/A	String, case-insensitive. Length: 1 to 63 characters.	Optional, Single value
ProfileName	TrafficPolify profile name	N/A	String, case-insensitive. Length: 1 to 63 characters.	Optional
ModelId	Model rule number	N/A	Unsigned integer: Value range: 1 to 4294967295.	Optional

AVC/RuleOptions

This table contains some multiple information about the AVC's rule option.

XML structure

```

<AVC>
  <RuleOptions>
    <Option>
      <RuleNumber></RuleNumber>
      <OptionType></OptionType>
      <OptionVal></OptionVal>
    </Option>
  </RuleOptions>
</AVC>

```

Table description

Item	Description
Feature name	AVC
Table name	RuleOptions
Table type	Multi-instance table
Row name	Option
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RuleNumber	Rule number	Index	Unsigned integer: Value range: 1 to 4294967295.	Rule number is the match order.
OptionType	Type of the configuration	Index	Enumeration: <ul style="list-style-type: none"> • 1—SourceZones. • 2—DestZones. • 3—SourceAddressSets. • 4—DestAddressSets. • 5—Users. • 6—UserGroups. • 7—Applications. • 8—AppGroups. • 9—Services. • 10—Dscp. 	N/A
OptionVal	Value of the special type configuration	Index	String, case-insensitive. Length: 1 to 63 characters (for OptionTypes 7 and 8). Length: 1 to 31 characters (for OptionTypes 1 through 4, and OptionType 9). Length: 1 to 100 characters (for OptionType 10). Length: 1 to 480 characters (for OptionTypes 5 and 6).	Values of OptionTypes 5 and 6 are in Json format.

AVC/TrafficPolicyProfiles

This table contains information about the AVC traffic policy's Control profiles.

XML structure

```

<AVC>
  <TrafficPolicyProfiles>
    <Profile>
      <ProfileNumber></ProfileNumber>
      <ProfileName></ProfileName>
      <ReferenceMode></ReferenceMode>
      <IpAverageEnable></IpAverageEnable>
      <TotalMaxKbps></TotalMaxKbps>
      <TotalGuaranteedKbps></TotalGuaranteedKbps>
      <TotalGuaranteedKbpsPerIP></TotalGuaranteedKbpsPerIP>
      <TotalGuaranteedKbpsPerUser></TotalGuaranteedKbpsPerUser>
      <TotalMaxKbpsPerIP></TotalMaxKbpsPerIP>
      <TotalMaxKbpsPerUser></TotalMaxKbpsPerUser>
      <DnGuaranteedKbpsPerIP></DnGuaranteedKbpsPerIP>
    </Profile>
  </TrafficPolicyProfiles>
</AVC>

```

```

<UpGuaranteedKbpsPerIP></UpGuaranteedKbpsPerIP>
<DnGuaranteedKbpsPerUser></DnGuaranteedKbpsPerUser>
<UpGuaranteedKbpsPerUser></UpGuaranteedKbpsPerUser>
<DnMaxKbps></DnMaxKbps>
<UpMaxKbps></UpMaxKbps>
<DnGuaranteedKbps></DnGuaranteedKbps>
<UpGuaranteedKbps></UpGuaranteedKbps>
<DnMaxKbpsPerIP></DnMaxKbpsPerIP>
<UpMaxKbpsPerIP></UpMaxKbpsPerIP>
<DnMaxKbpsPerUser></DnMaxKbpsPerUser>
<UpMaxKbpsPerUser></UpMaxKbpsPerUser>
<Priority></Priority>
<RemarkDSCP></RemarkDSCP>
<MaxConnNum></MaxConnNum>
<MaxConnNumPerIP></MaxConnNumPerIP>
<MaxConnNumPerUser></MaxConnNumPerUser>
<MaxConnRate></MaxConnRate>
<MaxConnRatePerIP></MaxConnRatePerIP>
<MaxConnRatePerUser></MaxConnRatePerUser>
</Profile>
</TrafficPolicyProfiles>
</AVC>

```

Table description

Item	Description
Feature name	AVC
Table name	TrafficPolicyProfiles
Table type	Multi-instance table
Row name	Profile
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ProfileNumber	Profile number	Index	Unsigned integer: Value range: 1 to 4294967295.	Rule option is the match order.
ProfileName	Profile Name, cannot be same with other profiles	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
ReferenceMode	Rule shared mode	N/A	Unsigned integer: <ul style="list-style-type: none"> 0—per-rule. 1—rule-shared. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
IpAverageEnable	Ip average enable	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	N/A
TotalMaxKbps	Total max kbps	N/A	Unsigned integer: Value range: 8 to 100,000,000.	N/A
TotalGuaranteedKbps	Total guaranteed kbps	N/A	Unsigned integer: Value range: 8 to 100,000,000.	N/A
TotalGuaranteedKbpsPerIP	Total guaranteed kbps per ip	N/A	Unsigned integer: Value range: 8 to 100,000,000.	N/A
TotalGuaranteedKbpsPerUser	Total guaranteed kbps per user	N/A	Unsigned integer: Value range: 8 to 100,000,000.	N/A
TotalMaxKbpsPerIP	Total max kbps per ip	N/A	Unsigned integer: Value range: 8 to 100,000,000.	N/A
TotalMaxKbpsPerUser	Total max kbps per user	N/A	Unsigned integer: Value range: 8 to 100,000,000.	N/A
DnGuaranteedKbpsPerIP	Down guaranteed kbps per ip	N/A	Unsigned integer: Value range: 8 to 100,000,000.	N/A
UpGuaranteedKbpsPerIP	Up guaranteed kbps per ip	N/A	Unsigned integer: Value range: 8 to 100,000,000.	N/A
DnGuaranteedKbpsPerUser	Down guaranteed kbps per user	N/A	Unsigned integer: Value range: 8 to 100,000,000.	N/A
UpGuaranteedKbpsPerUser	Up guaranteed kbps per user	N/A	Unsigned integer: Value range: 8 to 100,000,000.	N/A
DnGuaranteedKbps	Downstream Guaranteed bandwidth	N/A	Unsigned integer: Value range: 8 to 100,000,000.	Optional
UpGuaranteedKbps	Upstream guaranteed Kbps	N/A	Unsigned integer: Value range: 8 to 100,000,000.	Optional
DnMaxKbps	Downstream Max Kbps	N/A	Unsigned integer: Value range: 8 to 100,000,000.	Optional
UpMaxKbps	Upstream Max Kbps	N/A	Unsigned integer: Value range: 8 to 100,000,000.	Optional
DnMaxKbpsPerIP	Downstream Max Kbps per iP	N/A	Unsigned integer: Value range: 8 to 100,000,000.	Optional
UpMaxKbpsPerIP	Upstream Max Kbps Per IP	N/A	Unsigned integer: Value range: 8 to 100,000,000.	Optional. Per-IP and Per-User are exclusive.
DnMaxKbpsPerUser	Downstream Max Kbps per User	N/A	Unsigned integer: Value range: 8 to 100,000,000.	Optional

Column name	Column description	Column type	Data type and restrictions	Remarks
UpMaxKbpsPerUser	Upstream Max Kbps PerUser	N/A	Unsigned integer: Value range: 8 to 100,000,000.	Optional
Priority	Stream Priority level	N/A	Unsigned integer: Value range: 1 to 7.	When the outbound bandwidth is limited, the priority of the stream is higher, the stream is prior to pass the interface.
RemarkDSCP	Dscp value	N/A	Unsigned integer: Value range: 0 to 63.	Optional
MaxConnNum	Max up connections	N/A	Unsigned integer: Value range: 1 to 12,000,000.	Optional
MaxConnNumPerIP	Max up connections per IP	N/A	Unsigned integer: Value range: 1 to 12,000,000.	Optional Per-IP and Per-User are exclusive.
MaxConnNumPerUser	Max up connections per User	N/A	Unsigned integer: Value range: 1 to 12,000,000.	Optional
MaxConnRate	Max up connections rate	N/A	Unsigned integer: Value range: 1 to 12,000,000 times per second.	Optional
MaxConnRatePerIP	Max up connections rate per IP	N/A	Unsigned integer: Value range: 1 to 12,000,000 times per second.	Optional Per-IP and Per-User are exclusive.
MaxConnRatePerUser	Max up connections rate per user	N/A	Unsigned integer: Value range: 1 to 12,000,000 times per second.	Optional

AVC/ RuleJsonOptions

This table contains information about the AVC's rule options information.

XML structure

```

<AVC>
  <RuleJsonOptions>
    </OptionJson>
    <RuleJsonNumber></RuleJsonNumber>
    <OptionJsonType></OptionJsonType>
    <OptionJsonVal></OptionJsonVal>
  </OptionJson>
</RuleJsonOptions>
</AVC>

```

Table description

Item	Description
Feature name	AVC
Table name	RuleJsonOptions
Table type	Multi-instance table
Row name	OptionJson
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RuleJsonNumber	Rule number	Index	Unsigned integer: Value range: 1 to 4294967295.	Rule number is the match order.
OptionJsonType	Type of the configuration	Index	Enumeration: <ul style="list-style-type: none"> 1—SourceZones. 2—DestZones. 3—SourceAddressSets. 4—DestAddressSets. 5—Users. 6—UserGroups. 7—Applications. 8—AppGroups. 9—Services. 10—Dscp. 	N/A
OptionJsonVal	Json values of the special type configurations	Index	String, case-insensitive. Length: 1 to 65535 characters.	N/A

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AVC

AVC/TrafficParentRules

This table contains information about parent traffic rules.

XML structure

```
<AVC>
  <TrafficParentRules>
    <Rule>
      <Position></Position>
      <RuleNumber></RuleNumber>
      <RuleName></RuleName>
      <OptionContent></OptionContent>
      <TotalCount></TotalCount>
      <FirstSonRuleNum></FirstSonRuleNum>
      <Enable></Enable>
      <TimeRange></TimeRange>
      <ProfileName></ProfileName>
    </Rule>
  </TrafficParentRules>
</AVC>
```

Table description

Item	Description
Feature name	AVC
Table name	TrafficParentRules
Table type	Multi-instance table
Row name	Rule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Position	Record the Number	Index	Unsigned integer: Value range: 0 to 200.	N/A
RuleNumber	Rule number	N/A	Unsigned integer: Value range: 1 to 4294967295.	N/A
RuleName	Rule name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
OptionContent	Match criterion content	N/A	String, case-insensitive. Length: 1 to 65535 characters. Content: JSON array.	This column stores all match criteria of a parent traffic rule in the JSON array format. A JSON array is made up of JSON objects. A JSON object describes information about one match criterion type by using optionType and optionVal. The optionVal is a set of values for the match criterion. A JSON object contains a maximum of 64 characters.
TotalCount	Total number of rules	N/A	Unsigned integer: Value range: 1 to 4294967295.	N/A
FirstSonRuleNum	Return the number of the first child rule	N/A	Unsigned integer: Value range: 1 to 4294967295.	N/A
Enable	Set this value to true to enable the rule	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	N/A
TimeRange	Time range name	N/A	String, case-insensitive. Length: 1 to 32 characters.	N/A
ProfileName	Traffic profile name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A

AVC/TrafficPolicyChildRules

This table contains information about child traffic rules.

XML structure

```

<AVC>
  <TrafficPolicyChildRules>
    <Rule>
      <RuleNumber></RuleNumber>
      <ParentRuleNumber></ParentRuleNumber>
      <RuleName></RuleName>
      <FirstSonRuleNum></FirstSonRuleNum>
      <Enable></Enable>
      <TimeRange></TimeRange>
      <ProfileName></ProfileName>
      <OptionContent></OptionContent>
    </Rule>
  </TrafficPolicyChildRules>

```


< /AVC>

Table description

Item	Description
Feature name	AVC
Table name	TrafficPolicyChildRules
Table type	Multi-instance table
Row name	Rule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RuleNumber	Rule number	Index	Unsigned integer: Value range: 1 to 4294967295.	N/A
ParentRuleNumber	Number of the parent rule	N/A	Unsigned integer: Value range: 1 to 4294967295.	N/A
RuleName	Rule name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
FirstSonRuleNum	Return the number of the first child rule	N/A	Unsigned integer: Value range: 1 to 4294967295.	N/A
Enable	Set this value to true to enable the rule	N/A	Boolean: <ul style="list-style-type: none">true.false.	N/A
TimeRange	Time range name	N/A	String, case-insensitive. Length: 1 to 32 characters.	N/A
ProfileName	Traffic profile name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
OptionContent	Match criterion content	N/A	String, case-insensitive. Length: 1 to 10240. Content: JSON array.	This column stores all match criteria of a parent traffic rule in the JSON array format. A JSON array is made up of JSON objects. A JSON object describes information about one match criterion type by using optionType and optionVal. The optionVal is a set of values for the match criterion. A JSON object contains a maximum of 64 characters.

AVC/AvcRuleOptions

This table contains match criterion types.

XML structure

```
<AVC>
  <AvcRuleOptions>
    <AvcOption>
      <AvcRuleNumber></AvcRuleNumber>
      <AvcSeqNum></AvcSeqNum>
      <AvcOptionType></AvcOptionType>
      <AvcOptionVal></AvcOptionVal>
    </AvcOption>
  </AvcRuleOptions>
</AVC>
```

Table description

Item	Description
Feature name	AVC
Table name	AvcRuleOptions
Table type	Multi-instance table
Row name	AvcOption
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AvcRuleNumber	Rule number	Index	Unsigned integer: Value range: 1 to 4294967295.	N/A
AvcSeqNum	Sequence numbers for values of a match criterion	Index	Unsigned integer: Value range: 1 to 4294967295.	N/A
AvcOptionType	Match criterion type	N/A	Enumeration: <ul style="list-style-type: none">• 1—SourceZones.• 2—DestZones.• 3—SourceAddressSets.• 4—DestAddressSets.• 5—Users.• 6—UserGroups.• 7—Applications.• 8—AppGroups.• 9—Services.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 10—Dscp. 	
AvcOptionVal	Match criterion value	N/A	String, case-insensitive. Length: 1 to 65535 characters. Content: JSON array. Such as: [Optionval1,optionval2,...].	A JSON array contains strings of 1 to 64 characters.

AVC/TrafficPolicyQuery

This table contains information about each match criterion type.

XML structure

```

<AVC>
  <TrafficPolicyQuery>
    <RuleQuery>
      <UserID></UserID>
      <Position></Position>
      <RuleNameFilter></RuleNameFilter>
      <EnableFilter></EnableFilter>
      <ProfileNameFilter></ProfileNameFilter>
      <TimeRangeFilter></TimeRangeFilter>
      <SrcZoneFilter></SrcZoneFilter>
      <DestZoneFilter></DestZoneFilter>
      <SrcAddrSetFilter></SrcAddrSetFilter>
      <DestAddrSetFilter></DestAddrSetFilter>
      <UserFilter></UserFilter>
      <UserGroupFilter></UserGroupFilter>
      <ApplicationFilter></ApplicationFilter>
      <AppGroupFilter></AppGroupFilter>
      <ServiceFilter></ServiceFilter>
      <DscpFilter></DscpFilter>
      <ParentRuleNumber></ParentRuleNumber>
      <RuleNumber></RuleNumber>
      <RuleName></RuleName>
      <OptionContent></OptionContent>
      <TotalCount></TotalCount>
      <Enable></Enable>
      <TimeRange></TimeRange>
      <ProfileName></ProfileName>
      <IsExistSonFlag></IsExistSonFlag>
      <DomainFilter></DomainFilter>
    </RuleQuery>
  </TrafficPolicyQuery>
</AVC>

```

Table description

Item	Description
Feature name	AVC
Table name	TrafficPolicyQuery
Table type	Multi-instance table
Row name	RuleQuery
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
UserID	Record the user ID	Index	Unsigned integer: Value range: 1 to 65535.	N/A
Position	Record the last query position	Index	Unsigned integer: Value range: 0 to 200.	N/A
RuleNameFilter	Rule name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
EnableFilter	Set this value to true to enable the rule	N/A	Unsigned integer: <ul style="list-style-type: none"> 0—Invalid. 1—disable. 2—enable. 	N/A
TimeRangeFilter	Time range name	N/A	String, case-insensitive. Length: 1 to 32 characters.	N/A
ProfileNameFilter	Traffic profile name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
SrcZoneFilter	Source zone name	N/A	String, case-insensitive. Length: 1 to 31 characters.	N/A
DestZoneFilter	Destination zone name	N/A	String, case-insensitive. Length: 1 to 31 characters.	N/A
SrcAddrSetFilter	Source address object name	N/A	String, case-insensitive. Length: 1 to 31 characters.	N/A
DestAddrSetFilter	Destination address object name	N/A	String, case-insensitive. Length: 1 to 31 characters.	N/A
UserFilter	Username	N/A	String, case-insensitive. Length: 1 to 55 characters.	N/A
UserGroupFilter	User group name	N/A	String, case-insensitive. Length: 1 to 200 characters.	N/A
ApplicationFilter	Application name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
AppGroupFilter	Application	N/A	String, case-insensitive.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
ServiceFilter	Service name	N/A	String, case-insensitive. Length: 1 to 3 characters.	N/A
DscpFilter	DSCP value	N/A	String, case-insensitive. Length: 1 to 31 characters.	N/A
ParentRuleNumber	Parent rule number	N/A	Unsigned integer: Value range: 1 to 4294967295.	N/A
RuleNumber	Child rule number	N/A	Unsigned integer: Value range: 1 to 4294967295.	N/A
RuleName	Rule name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
OptionContent	Match criterion content	N/A	String, case-insensitive. Length: 1 to 65535. Content: JSON array.	This column stores all match criteria of a parent traffic rule in the JSON array format. A JSON array is made up of JSON objects. A JSON object describes information about one match criterion type by using optionType and optionVal. The optionVal is a set of values for the match criterion. A JSON object contains a maximum of 64 characters.
TotalCount	Total number of rules	N/A	Unsigned integer: Value range: 1 to 4294967295.	N/A
Enable	Set this value to true to enable the rule	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	N/A
TimeRange	Time range name	N/A	String, case-insensitive. Length: 1 to 32 characters.	N/A
ProfileName	Traffic profile name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
IsExistSonFlag	Set this value to son traffic id to sign if this traffic has sons	N/A	Unsigned integer: Value range: 1 to 4294967295.	N/A
DomainFilter	Domain value	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A

AVC/TrafficQueueParentRule

This table contains information about the parent rule for a child rule.

XML structure

```
<AVC>
  <TrafficQueParentRule>
    <QueRule>
      <RuleNumber></RuleNumber>
      <PRuleNumber></PRuleNumber>
      <RuleName></RuleName>
      <OptionContent></OptionContent>
      <Enable></Enable>
      <TimeRange></TimeRange>
      <ProfileName></ProfileName>
    </QueRule>
  </TrafficQueParentRule>
</AVC>
```

Table description

Item	Description
Feature name	AVC
Table name	TrafficQueParentRule
Table type	Multi-instance table
Row name	QueRule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RuleNumber	Child rule number	Index	Unsigned integer: Value range: 1 to 4294967295.	N/A
PRuleNumber	Parent rule number	N/A	Unsigned integer: Value range: 1 to 4294967295.	N/A
RuleName	Rule name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
OptionContent	Match criterion content	N/A	String, case-insensitive. Length: 1 to 10240. Content: JSON array.	This column stores all match criteria of a parent traffic rule in the JSON array format. A JSON array is made up of JSON objects. A JSON object describes information about one match criterion type by using optionType and optionVal. The optionVal is a set of values for the match criterion. A JSON

Column name	Column description	Column type	Data type and restrictions	Remarks
				object contains a maximum of 64 characters.
Enable	Set this value to true to enable the rule	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	N/A
TimeRange	Time range name	N/A	String, case-insensitive. Length: 1 to 32 characters.	N/A
ProfileName	Traffic profile name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A

AVC/TrafficPolicyRules

This table contains information about the AVC's rule information.

XML structure

```

<AVC>
  <TrafficPolicyRules>
    <Rule>
      <RuleNumber></RuleNumber>
      <ParentRuleNumber></ParentRuleNumber>
      <RuleName></RuleName>
      <Enable></Enable>
      <TimeRange></TimeRange>
      <Action>
        <ProfileName></ProfileName>
      </Action>
      <ModelId></ModelId>
    </Rule>
  </TrafficPolicyRules>
</AVC>

```

Table description

Item	Description
Feature name	AVC
Table name	TrafficPolicyRules
Table type	Multi-instance table
Row name	Rule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RuleNumber	Rule number	Index	Unsigned integer: Value range: 1 to 4294967295.	Rule number is the match order.
ParentRuleNumber	Parent Rule's rule number	N/A	Unsigned integer: Value range: 1 to 4294967295.	N/A
RuleName	name	N/A	String, case-insensitive. Length: 1 to 63 characters.	Name cannot be same with its siblings. Mandatory
Enable	Set this value to true to disable the rule	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	N/A
TimeRange	Time Range Name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
ProfileName	TrafficPolify profile name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
ModelId	Model rule number	N/A	Unsigned integer: Value range: 1 to 4294967295.	N/A

AVC/RuleOptions

This table contains some multiple information about the AVC's rule option.

XML structure

```

<AVC>
  <RuleOptions>
    <Option>
      <RuleNumber></RuleNumber>
      <OptionType></OptionType>
      <OptionVal></OptionVal>
    </Option>
  </RuleOptions>
</AVC>
<AVC>

```

Table description

Item	Description
Feature name	AVC
Table name	RuleOptions
Table type	Multi-instance table

Row name	Option
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RuleNumber	Rule number	Index	Unsigned integer: Value range: 1 to 4294967295.	Rule number is the match order.
OptionType	Type of the configuration	Index	Enumeration: <ul style="list-style-type: none"> 1—SourceZones. 2—DestZones. 3—SourceAddressSets. 4—DestAddressSets. 5—Users. 6—UserGroups. 7—Applications. 8—AppGroups. 9—Services. 10—Dscp. 	N/A
OptionVal	Value of the special type configuration	Index	String, case-insensitive. Length: 1 to 63 characters (for OptionTypes 7 and 8). Length: 1 to 31 characters (for OptionTypes 1 through 4, and OptionType 9). Length: 1 to 100 characters (for OptionType 10). Length: 1 to 480 characters (for OptionTypes 5 and 6).	Values of OptionTypes 5 and 6 are in Json format.

AVC/TrafficPolicyProfiles

This table contains information about the AVC traffic policy's Control profiles.

XML structure

```

<AVC>
  <TrafficPolicyProfiles>
    <Profile>
      <ProfileNumber></ProfileNumber>
      <ProfileName></ProfileName>
      <ReferenceMode></ReferenceMode>
      <IpAverageEnable></IpAverageEnable>
      <TotalMaxKbps></TotalMaxKbps>
      <TotalGuaranteedKbps></TotalGuaranteedKbps>
      <TotalGuaranteedKbpsPerIP></TotalGuaranteedKbpsPerIP>
      <TotalGuaranteedKbpsPerUser></TotalGuaranteedKbpsPerUser>
    </Profile>
  </TrafficPolicyProfiles>
</AVC>

```

```

<TotalMaxKbpsPerIP></TotalMaxKbpsPerIP>
<TotalMaxKbpsPerUser></TotalMaxKbpsPerUser>
<DnGuaranteedKbpsPerIP></DnGuaranteedKbpsPerIP>
<UpGuaranteedKbpsPerIP></UpGuaranteedKbpsPerIP>
<DnGuaranteedKbpsPerUser></DnGuaranteedKbpsPerUser>
<UpGuaranteedKbpsPerUser></UpGuaranteedKbpsPerUser>
<DnMaxKbps></DnMaxKbps>
<UpMaxKbps></UpMaxKbps>
<DnGuaranteedKbps></DnGuaranteedKbps>
<UpGuaranteedKbps></UpGuaranteedKbps>
<DnMaxKbpsPerIP></DnMaxKbpsPerIP>
<UpMaxKbpsPerIP></UpMaxKbpsPerIP>
<DnMaxKbpsPerUser></DnMaxKbpsPerUser>
<UpMaxKbpsPerUser></UpMaxKbpsPerUser>
<Priority></Priority>
<RemarkDSCP></RemarkDSCP>
<MaxConnNum></MaxConnNum>
<MaxConnNumPerIP></MaxConnNumPerIP>
<MaxConnNumPerUser></MaxConnNumPerUser>
<MaxConnRate></MaxConnRate>
<MaxConnRatePerIP></MaxConnRatePerIP>
<MaxConnRatePerUser></MaxConnRatePerUser>
</Profile>
</TrafficPolicyProfiles>
</AVC>

```

Table description

Item	Description
Feature name	AVC
Table name	TrafficPolicyProfiles
Table type	Multi-instance table
Row name	Profile
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ProfileNumber	Profile number	Index	Unsigned integer: Value range: 1 to 4294967295.	Rule option is the match order.
ProfileName	Profile Name, cannot be same with other profiles	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
ReferenceMo	Rule shared	N/A	Unsigned integer:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
de	mode		<ul style="list-style-type: none"> 0—per-rule. 1—rule-shared. 	
IpAverageEnable	Ip average enable	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	N/A
TotalMaxKbps	Total max kbps	N/A	Unsigned integer: Value range: 8 to 100,000,000.	N/A
TotalGuaranteedKbps	Total guaranteed kbps	N/A	Unsigned integer: Value range: 8 to 100,000,000.	N/A
TotalGuaranteedKbpsPerIP	Total guaranteed kbps per ip	N/A	Unsigned integer: Value range: 8 to 100,000,000.	N/A
TotalGuaranteedKbpsPerUser	Total guaranteed kbps per user	N/A	Unsigned integer: Value range: 8 to 100,000,000.	N/A
TotalMaxKbpsPerIP	Total max kbps per ip	N/A	Unsigned integer: Value range: 8 to 100,000,000.	N/A
TotalMaxKbpsPerUser	Total max kbps per user	N/A	Unsigned integer: Value range: 8 to 100,000,000.	N/A
DnGuaranteedKbpsPerIP	Down guaranteed kbps per ip	N/A	Unsigned integer: Value range: 8 to 100,000,000.	N/A
UpGuaranteedKbpsPerIP	Up guaranteed kbps per ip	N/A	Unsigned integer: Value range: 8 to 100,000,000.	N/A
DnGuaranteedKbpsPerUser	Down guaranteed kbps per user	N/A	Unsigned integer: Value range: 8 to 100,000,000.	N/A
UpGuaranteedKbpsPerUser	Up guaranteed kbps per user	N/A	Unsigned integer: Value range: 8 to 100,000,000.	N/A
DnGuaranteedKbps	Downstream Guaranteed bandwidth	N/A	Unsigned integer: Value range: 8 to 100,000,000.	N/A
UpGuaranteedKbps	Upstream guaranteed kbps	N/A	Unsigned integer: Value range: 8 to 100,000,000.	N/A
DnMaxKbps	Downstream Max kbps	N/A	Unsigned integer: Value range: 8 to 100,000,000.	N/A
UpMaxKbps	Upstream Max kbps	N/A	Unsigned integer: Value range: 8 to 100,000,000.	N/A
DnMaxKbpsPerIP	Downstream Max kbps per iP	N/A	Unsigned integer: Value range: 8 to 100,000,000.	N/A
UpMaxKbpsPerIP	Upstream Max kbps Per IP	N/A	Unsigned integer: Value range: 8 to 100,000,000.	Per-IP and Per-User are exclusive.
DnMaxKbpsPerUser	Downstream Max kbps per	N/A	Unsigned integer: Value range: 8 to 100,000,000.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	User			
UpMaxKbpsPerUser	Upstream Max kbps PerUser	N/A	Unsigned integer: Value range: 8 to 100,000,000.	N/A
Priority	Stream Priority level	N/A	Unsigned integer: Value range: 1 to 7.	When the outbound bandwidth is limited, the priority of the stream is higher, the stream is prior to pass the interface.
RemarkDSCP	Dscp value	N/A	Unsigned integer: Value range: 0 to 63.	N/A
MaxConnNum	Max up connections	N/A	Unsigned integer: Value range: 1 to 12,000,000.	N/A
MaxConnNumPerIP	Max up connections per IP	N/A	Unsigned integer: Value range: 1 to 12,000,000.	Per-IP and Per-User are exclusive
MaxConnNumPerUser	Max up connections per User	N/A	Unsigned integer: Value range: 1 to 12,000,000.	N/A
MaxConnRate	Max up connections rate	N/A	Unsigned integer: Value range:1 to 12,000,000 times per second.	N/A
MaxConnRatePerIP	Max up connections rate per IP	N/A	Unsigned integer: Value range:1 to 12,000,000 times per second.	Per-IP and Per-User are exclusive
MaxConnRatePerUser	Max up connections rate per user	N/A	Unsigned integer: Value range:1 to 12,000,000 times per second.	N/A

AVC/AVCSpecification

This table contains the AVC specification information.

XML structure

```

<AVC>
  <AVCSpecification>
    <SupportDomain></SupportDomain>
  </AVCSpecification>
</AVC>

```

Table description

Item	Description
Feature name	AVC
Table name	AVCSpecification
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SupportDomain	Whether the function of AVC domain is supported.	N/A	Boolean: <ul style="list-style-type: none">• true.• false.	N/A

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Resource Summary for AVC

Resource(Table)	Base URL	HTTP Method			
		GET	POST	PUT	DELETE
TrafficParentRules	/api/v2/AVC/TrafficParentRules	Y	N	N	N
TrafficPolicyChildRules	/api/v2/AVC/TrafficPolicyChildRules	Y	N	N	N
AvcRuleOptions	/api/v2/AVC/AvcRuleOptions	Y	N	N	N
TrafficPolicyQuery	/api/v2/AVC/TrafficPolicyQuery	Y	N	N	N
TrafficQueParentRule	/api/v2/AVC/TrafficQueParentRule	Y	N	N	N
MoveTrafficPolicyRule	/api/v2/AVC/MoveTrafficPolicyRule	N	N	Y	N
TrafficPolicyRules	/api/v3/AVC/TrafficPolicyRules	Y	Y	Y	Y
RuleOptions	/api/v3/AVC/RuleOptions	Y	Y	N	Y
TrafficPolicyProfiles	/api/v3/AVC/TrafficPolicyProfiles	Y	Y	Y	Y
RuleJsonOptions	/api/v3/AVC/RuleJsonOptions	N	Y	N	N
AVCSpecification	/api/v3/AVC/AVCSpecification	Y	N	N	N

AVC

TrafficParentRules

This table contains information about parent rules.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
Position	Record the Number	Index	Unsigned integer: Value range: 0 to 200.	N/A
RuleNumber	Rule number	N/A	Unsigned integer: Value range: 1 to 4294967295.	N/A
RuleName	Rule name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
OptionContent	Match criterion content	N/A	String, case-insensitive. Length: 1 to 65535 characters. Content: JSON array.	This column stores all match criteria of a parent traffic rule in the JSON array format. A JSON array is made up of JSON objects. A

Column name	Column description	Column type	Data type and restrictions	Remarks
				JSON object describes information about one match criterion type by using optionType and optionVal. The optionVal is a set of values for the match criterion. A JSON object contains a maximum of 64 characters.
TotalCount	Total number of rules	N/A	Unsigned integer: Value range: 1 to 4294967295.	N/A
FirstSonRuleNum	Return the number of the first child rule	N/A	Unsigned integer: Value range: 1 to 4294967295.	N/A
Enable	Set this value to true to enable the rule	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	N/A
TimeRange	Time range name	N/A	String, case-insensitive. Length: 1 to 32 characters.	N/A
ProfileName	Traffic profile name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A

Example

Example 1: Get data from resource TrafficParentRules.

Json Request

GET /api/v2/AVC/TrafficParentRules

Json Response

200 OK

```
{
  TrafficParentRules:
  [{
    "RuleNumber" : 1,
    "RuleName" : "rlName",
    "Position" : 1,
    "OptionContent": "[
      {
        "optionType" : 1,
        "optionVal" : ["DMZ", "Local", "Management"]
      }
    ]"
```



```

    },
    {
        "optionType" : 2,
        "optionVal" : ["10","102","104"]
    },
    .
    .
    .
    ,{
        "optionType" : 10,
        "optionVal" : ["18","22"]
    }],
    "TotalCount" : 986,
    "Enable" : "true",
    "TimeRange" : "time1",
    "ProfileName" : "ftp"
}
}
}

```

TrafficPolicyChildRules

This table contains information about child traffic rule.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
RuleNumber	Rule number	Index	Unsigned integer: Value range: 1 to 4294967295.	N/A
ParentRuleNumber	Number of the parent rule	N/A	Unsigned integer: Value range: 1 to 4294967295.	N/A
RuleName	Rule name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
FirstSonRuleNum	Return the number of the first child rule	N/A	Unsigned integer: Value range: 1 to 4294967295.	N/A
Enable	Set this value to true to enable the rule	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	N/A
TimeRange	Time range name	N/A	String, case-insensitive. Length: 1 to 32 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
ProfileName	Traffic profile name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
OptionContent	Match criterion content	N/A	String, case-insensitive. Length: 1 to 10240 characters. Content: JSON array.	This column stores all match criteria of a parent traffic rule in the JSON array format. A JSON array is made up of JSON objects. A JSON object describes information about one match criterion type by using optionType and optionVal. The optionVal is a set of values for the match criterion. A JSON object contains a maximum of 64 characters.

Example

Example 1: Get data from resource TrafficPolicyChildRules.

Json Request

GET /api/v2/AVC/TrafficPolicyChildRules

Json Response

200 OK

```
{
  TrafficPolicyChildRules:
  [{
    "RuleNumber" : 1,
    "ParentRuleNumber" : 2
    "RuleName" : "rlName",
    "Enable" : "true",
    "TimeRange" : "time1",
    "ProfileName" : "ftp",
    "OptionContent" : "[
      {
        "optionType" : 1,
        "optionVal" : ["DMZ","Local","Management"]
      },
      {
        "optionType" : 2,
```

```

        "optionVal" : ["10","102","104"]
    },
    .
    .
    .
    ,{
        "optionType" : 10,
        "optionVal" : ["18","22"]
    }],
    }
}

```

AvcRuleOptions

This table contains match criterion types.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
AvcRuleNumber	Rule number	Index	Unsigned integer: Value range: 1 to 4294967295.	N/A
AvcSeqNum	Sequence numbers for values of a match criterion	Index	Unsigned integer: Value range: 1 to 4294967295.	N/A
AvcOptionType	Match criterion type	N/A	Enumeration: <ul style="list-style-type: none"> • 1—SourceZones. • 2—DestZones. • 3—SourceAddressSets. • 4—DestAddressSets. • 5—Users. • 6—UserGroups. • 7—Applications. • 8—AppGroups. • 9—Services. • 10—Dscp. 	N/A
AvcOptionVal	Match criterion value	N/A	String, case-insensitive. Length: 1 to 65535 characters. Content: JSON array. Such as: [Optionval1,optionval2,...].	N/A

Example

Example 1: Get data from resource AvcRuleOptions.

Json Request

GET /api/v2/AVC/AvcRuleOptions

Json Response

200 OK

```
{
  AvcRuleOptions:
  [{
    "AvcRuleNumber" : 1,
    "AvcSeqNum" : 8
    "AvcOptionType" : 7,
    "AvcOptionVal" : ["南阳网","051 健康","07073 游戏网","10010","中国移动官网","圣才学习网","1024 商务网"]
  }]
}
```

TrafficPolicyQuery

This table contains information about each match criterion type.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
UserID	Record the user ID	Index	Unsigned integer: Value range: 1 to 65535.	N/A
Position	Record the last query position	Index	Unsigned integer: Value range: 0 to 200.	N/A
RuleNameFilter	Rule name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
EnableFilter	Set this value to true to enable the rule	N/A	Unsigned integer: <ul style="list-style-type: none">0—Invalid.1—disbale.2—enable.	N/A
TimeRangeFilter	Time range name	N/A	String, case-insensitive. Length: 1 to 32 characters.	N/A
ProfileNameFilter	Traffic profile name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
SrcZoneFilter	Source zone name	N/A	String, case-insensitive. Length: 1 to 31 characters.	N/A
DestZoneFilter	Destination zone name	N/A	String, case-insensitive. Length: 1 to 31 characters.	N/A
SrcAddrSetFilter	Source address object name	N/A	String, case-insensitive. Length: 1 to 31 characters.	N/A
DestAddrSetFilter	Destination address object name	N/A	String, case-insensitive. Length: 1 to 31 characters.	N/A
UserFilter	User name	N/A	String, case-insensitive. Length: 1 to 55 characters.	N/A
UserGroupFilter	User group name	N/A	String, case-insensitive. Length: 1 to 200 characters.	N/A
ApplicationFilter	Application name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
AppGroupFilter	Application group name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
ServiceFilter	Service name	N/A	String, case-insensitive. Length: 1 to 31 characters.	N/A
DscpFilter	DSCP value	N/A	String, case-insensitive. Length: 1 to 31 characters.	N/A
ParentRuleNumber	Parent rule number	N/A	Unsigned integer: Value range: 1 to 4294967295.	N/A
RuleNumber	Child rule number	N/A	Unsigned integer: Value range: 1 to 4294967295.	N/A
RuleName	Rule name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
OptionContent	Match criterion content	N/A	String, case-insensitive. Length: 1 to 65535 characters. Content: JSON array.	This column stores all match criteria of a parent traffic rule in the JSON array format. A JSON array is made up of JSON objects. A JSON object describes information about one match criterion type by using optionType and optionVal. The optionVal is a set of values for the match criterion. A JSON object contains a maximum of 64 characters.
TotalCount	Total number of rules	N/A	Unsigned integer: Value range: 1 to 4294967295.	N/A
Enable	Set this value to	N/A	Boolean:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	true to enable the rule		<ul style="list-style-type: none"> true. false. 	
TimeRange	Time range name	N/A	String, case-insensitive. Length: 1 to 32 characters.	N/A
ProfileName	Traffic profile name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
IsExistSonFlag	Set this value to the first son traffic ID to sign if this traffic has sons	N/A	Unsigned integer: Value range: 1 to 4294967295.	N/A
DomainFilter	Domain value	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A

Example

Example 1: Get data from resource TrafficPolicyQuery.

Json Request

GET /api/v2/AVC/TrafficPolicyQuery

Json Response

200 OK

```
{
  TrafficPolicyQuery:
  [{
    "UserID" : 2,
    "Position" : 1,
    "ApplicationFilter" : "南阳网",
    "RuleNumber" : 2,
    "RuleName" : "rlName",
    "OptionContent" : [
      {
        "OptionType" : 1,
        "OptionVal" : ["DMZ","Local","Management"]
      },
      {
        "OptionType" : 2,
        "OptionVal" : ["10","102","104"]
      }
    ]
  }
]
```

```

.
.
.
{
    "OptionType" : 5,
    "OptionVal" : [{"name":"xxx","domain":"xxx"}, {"name":"xxx"}]
}
,{
    "OptionType" : 6,
    "OptionVal" : [{"name":"xxx","domain":"xxx"}, {"name":"xxx"}]
}
,{
    "OptionType" : 7,
    "OptionVal" : ["南阳网","051 健康","07073 游戏网","10010","中国移动官网","圣才学习
网","1024 商务网"]
}
.
.
.
,{
    "OptionType" : 10,
    "OptionVal" : ["18","22"]
}],
    "TotalCount" : 999,
    "Enable" : "true",
    "TimeRange" : "time1",
    "ProfileName" : "ftp"
    "IsExistSonFlag" : 5
}}
}

```

TrafficQueParentRule

This table contains information about the parent rule for a child rule.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
RuleNumber	Child rule number	Index	Unsigned integer: Value range: 1 to 4294967295.	N/A
PRuleNumber	Parent rule number	N/A	Unsigned integer: Value range: 1 to 4294967295.	N/A
RuleName	Rule name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
OptionContent	Match criterion content	N/A	String, case-insensitive. Length: 1 to 10240 characters. Content: JSON array.	This column stores all match criteria of a parent traffic rule in the JSON array format. A JSON array is made up of JSON objects. A JSON object describes information about one match criterion type by using optionType and optionVal. The optionVal is a set of values for the match criterion. A JSON object contains a maximum of 64 characters.
Enable	Set this value to true to enable the rule	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	N/A
TimeRange	Time range name	N/A	String, case-insensitive. Length: 1 to 32 characters.	N/A
ProfileName	Traffic profile name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A

Example

Example 1: Get data from resource TrafficQueParentRule.

Json Request

GET /api/v2/AVC/TrafficQueParentRule

Json Response

200 OK

```
{
  TrafficQueParentRule:
  [{
    "RuleNumber" : 2,
    "PRuleNumber" : 0
```



```

"RuleName" : "rlName",
"OptionContent" : [
{
    "optionType" : 1,
    "optionVal" : ["DMZ","Local","Management"]
},
.
.
.
{
    "optionType" : 7,
    "optionVal" : ["051 健康","07073 游戏网","10010","中国移动官网","圣才学习网","1024
商务网"]
},
.
.
.
{
    "optionType" : 10,
    "optionVal" : ["18","22"]
}],
"Enable" : "true",
"TimeRange" : "time1",
"ProfileName" : "ftp"
}]
}

```

MoveTrafficPolicyRule

This table contains information about the AVC's rule number information.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
RuleNumber	Rule number	Index	Unsigned integer: Value range: 1 to 4294967295.	Rule number is the match order.
NextRuleNumber	Next rule's rule number	N/A	Unsigned integer: Value range: 1 to 4294967295.	Singel value

Example

Example 1: Change data for the assigned instance.

Json Request

PUT /api/v2/AVC/MoveTrafficPolicyRule

```
{
  "RuleNumber" : 2
  "NextRuleNumber" : 1
}
```

Json Response

204 No Content

TrafficPolicyRules

This table contains information about the AVC's rule information.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
RuleNumber	Rule number	Index	Unsigned integer: Value range: 1 to 4294967295.	Rule number is the match order.
ParentRuleNumber	Parent rule number	N/A	Unsigned integer: Value range: 1 to 4294967295.	Optional
RuleName	name	N/A	String, case-insensitive. Length: 1 to 63 characters.	The name cannot be the same with its siblings. Mandatory
Enable	Set this value to true to disable the rule	N/A	Boolean: <ul style="list-style-type: none">true.false.	Optional
TimeRange	Time range name	N/A	String, case-insensitive. Length: 1 to 63 characters.	Optional, Single value
ProfileName	Traffic profile name	N/A	String, case-insensitive. Length: 1 to 63 characters.	Optional
ModelId	Model rule number	N/A	Unsigned integer: Value range: 1 to 4294967295.	Optional

Example

Example 1: Get data from resource TrafficPolicyRules.

Json Request

GET /api/v3/AVC/TrafficPolicyRules

Json Response

200 OK

```
{TrafficPolicyRules:[{
  "RuleNumber" : "7",
  "RuleName" : "test4",
  "Enable" : "true",
  "TimeRange" : "timer1",
  "Action" : {
    "ProfileName" : "profile1"
  }
}]}
```

Example 2: Add new instance for resource table

Json Request

POST /api/v3/AVC/TrafficPolicyRules

```
{
  "RuleName" : test4,
  "TimeRange" : timer1,
  "ProfileName" : profile1
}
```

Json Response

201 Created

Example 3: Change data for the assigned instance.

Json Request

PUT /api/v3/AVC/TrafficPolicyRules

```
{
  "RuleNumber" : 7,
  "RuleName" : "test4",
  "TimeRange" : "timer2",
  "ProfileName" : "profile2"
}
```

Json Response

204 No Content

Example 4: Delete the assigned instance from resource table.

Json Request

DELETE /api/v3/AVC/TrafficPolicyRules

```
{  
  "RuleNumber" : 7  
}
```

Json Response

204 No Content

RuleOptions

This table contains some multiple information about the AVC's rule option.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
RuleNumber	Rule number	Index	Unsigned integer: Value range: 1 to 4294967295.	N/A
OptionType	Type of the configuration	Index	Enumeration: <ul style="list-style-type: none">• 1—SourceZones.• 2—DestZones.• 3—SourceAddressSets.• 4—DestAddressSets.• 5—Users.• 6—UserGroups.• 7—Applications.• 8—AppGroups.• 9—Services.• 10—Dscp.	N/A
OptionVal	Value of the special type configuration	Index	String, case-insensitive. Length: 1 to 63 characters(for OptionTypes 7 and 8). Length: 1 to 31 characters (for OptionTypes 1 through 4, and OptionType 9). Length: 1 to 100 characters (for OptionType 10). Length: 1 to 480 characters (for OptionTypes 5 and 6).	Values of OptionTypes 5 and 6 are in Json format.

Example

Example 1: Get data from resource RuleOptions.

Json Request

GET /api/v3/AVC/RuleOptions

Json Response

200 OK

```
{"RuleOptions":[{"RuleNumber":1,"OptionType":3,"OptionVal":"scrip1"},{"RuleNumber":1,"OptionType":5,"OptionVal":{"name":"xxx","domain":"xxx"}},{"RuleNumber":1,"OptionType":6,"OptionVal":{"name":"xxx","domain":"xxx"}}]}
```

Example 2: Add new instance for resource table

Json Request

POST /api/v3/AVC/RuleOptions

```
{  "RuleNumber":1,  "OptionType":5,  "OptionVal":{"name":"xxx","domain":"xxx"}}
```

Json Response

201 Created

Example 3: Delete the assigned instance from resource table.

Json Request

DELETE /api/v3/AVC/RuleOptions

```
{  
  "RuleNumber" : 1,  
  "OptionType" : 5,  
  "OptionVal" : {"name":"xxx","domain":"xxx"}  
}
```

Json Response

204 No Content

TrafficPolicyProfiles

This table contains information about the AVC traffic policy's Control profiles.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
ProfileNumber	Profile number	Index	Unsigned integer: Value range:1 to 4294967295.	Rule option is the match order.
ProfileName	Profile name, which must be unique	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
ReferenceMode	Rule shared mode	N/A	Unsigned integer: <ul style="list-style-type: none">0—per-rule.1—rule-shared.	N/A
IpAverageEnable	Ip average enable	N/A	Boolean: <ul style="list-style-type: none">true.false.	N/A
TotalMaxKbps	Total max kbps	N/A	Unsigned integer: Value range:8 to 100,000,000.	N/A
TotalGuaranteedKbps	Total guaranteed kbps	N/A	Unsigned integer: Value range:8 to 100,000,000.	N/A
TotalGuaranteedKbpsPerIP	Total guaranteed kbps per IP	N/A	Unsigned integer: Value range:8 to 100,000,000.	N/A
TotalGuaranteedKbpsPerUser	Total guaranteed kbps per user	N/A	Unsigned integer: Value range:8 to 100,000,000.	N/A
TotalMaxKbpsPerIP	Total max kbps per IP	N/A	Unsigned integer: Value range:8 to 100,000,000.	N/A
TotalMaxKbpsPerUser	Total max kbps per user	N/A	Unsigned integer:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			Value range:8 to 100,000,000.	
DnGuaranteedKbpsPerIP	Down guaranteed kbps per IP	N/A	Unsigned integer: Value range:8 to 100,000,000.	N/A
UpGuaranteedKbpsPerIP	Up guaranteed kbps per IP	N/A	Unsigned integer: Value range:8 to 100,000,000.	N/A
DnGuaranteedKbpsPerUser	Down guaranteed kbps per user	N/A	Unsigned integer: Value range:8 to 100,000,000.	N/A
UpGuaranteedKbpsPerUser	Up guaranteed kbps per user	N/A	Unsigned integer: Value range:8 to 100,000,000.	N/A
DnGuaranteedKbps	Downstream Guaranteed bandwidth	N/A	Unsigned integer: Value range:8 to 100,000,000.	Optional
UpGuaranteedKbps	Upstream guaranteed Kbps	N/A	Unsigned integer: Value range:8 to 100,000,000.	Optional
DnMaxKbps	Downstream Max Kbps	N/A	Unsigned integer: Value range:8 to 100,000,000.	Optional
UpMaxKbps	Upstream Max Kbps	N/A	Unsigned integer: Value range:8 to 100,000,000.	Optional
DnMaxKbpsPerIP	Downstream Max Kbps per IP	N/A	Unsigned integer: Value range:8 to 100,000,000.	Optional
UpMaxKbpsPerIP	Upstream Max Kbps Per IP	N/A	Unsigned integer: Value range:8 to 100,000,000.	Optional. Per-IP and Per-User are exclusive.
DnMaxKbpsPerUser	Downstream Max Kbps per User	N/A	Unsigned integer: Value range:8 to 100,000,000.	Optional
UpMaxKbpsPerUser	Upstream Max Kbps PerUser	N/A	Unsigned integer: Value range:8 to 100,000,000.	Optional
Priority	Stream Priority	N/A	Unsigned integer: Value range:1 to 7.	When the outbound bandwidth is limited, the priority of the stream is higher, the stream is prior to pass the interface.
RemarkDSCP	Dscp value	N/A	Unsigned integer: Value range:0 to 63.	Optional
MaxConnNum	Max up connections	N/A	Unsigned integer: Value range:1 to 12,000,000.	Optional
MaxConnNumPerIP	Max up connections per IP	N/A	Unsigned integer: Value range:1 to 12,000,000.	Optional Per-IP and Per-User are exclusive
MaxConnRate	Max up connections rate	N/A	Unsigned integer: Value range:1 to 12,000,000	Optional

Column name	Column description	Column type	Data type and restrictions	Remarks
			times per second.	
MaxConnRatePerIP	Max up connections rate per IP	N/A	Unsigned integer: Value range:1 to 12,000,000 times per second.	Optional Per-IP and Per-User are exclusive
MaxConnRatePerUser	Max up connections rate per user	N/A	Unsigned integer: Value range:1 to 12,000,000 times per second.	Optional

Example

Example 1: Get data from resource TrafficPolicyProfile.

Json Request

GET /api/v3/AVC/TrafficPolicyProfile

Json Response

200 OK

```
{
  "TrafficPolicyProfiles": [
    {
      "ProfileNumber": "1",
      "ProfileName": "profile1",
      "DnMaxKbps": "10000",
      "UpMaxKbps": "10000",
      "DnGuaranteedKbps": "10000",
      "UpGuaranteedKbps": "10000",
      "DnMaxKbpsPerIP": "10000",
      "UpMaxKbpsPerIP": "10000",
      "RemarkDSCP": "30",
      "MaxConnNum": "1000",
      "MaxConnNumPerIP": "100",
      "MaxConnRate": "1000",
      "MaxConnRatePerIP": "100"
    }
  ]
}
```

Example 2: Add new instance for resource table

Json Request

POST /api/v3/AVC/TrafficPolicyProfile

```
{
  "ProfileName": "profile1",
  ...
}
```



```
"DnGuaranteedKbps" : 10000,  
"UpGuaranteedKbps" : 10000,  
"DnMaxKbps" : 10000,  
"UpMaxKbps": 10000,  
"DnMaxKbpsPerIP" : 10000,  
"UpMaxKbpsPerIP" : 10000  
"MaxConnNum" : 1000,  
"MaxConnNumPerIP" : 100,  
"MaxConnRate" : 1000,  
"MaxConnRatePerIP" : 100  
"RemarkDSCP" : 30,  
"Priority" : 1  
}
```

Json Response

201 Created

Example 3: Change data for the assigned instance.

Json Request

PUT /api/v3/AVC/TrafficPolicyProfile

```
{  
  "ProfileNumber" : 5  
  "DnMaxKbpsPerIP" : 10000,  
  "UpMaxKbpsPerIP" : 10000  
  "MaxConnNum" : 1000,  
  "MaxConnNumPerIP" : 100,  
  "MaxConnRate" : 1000,  
  "MaxConnRatePerIP" : 100  
  "RemarkDSCP" : 30,  
  "Priority" : 1  
}
```

Json Response

204 No Content

Example 4: Delete the assigned instance from resource table.

Json Request

DELETE /api/v3/AVC/TrafficPolicyProfile

```
{
  "ProfileNumber" : 5
}
```

Json Response

204 No Content

RuleJsonOptions

This table contains information about the AVC's rule options information.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
RuleJsonNumber	Rule number	Index	Unsigned integer: Value range: 1 to 4294967295.	Rule number is the match order.
OptionJsonType	Type of the configuration	Index	Enumeration: <ul style="list-style-type: none"> 1—SourceZones. 2—DestZones. 3—SourceAddressSets. 4—DestAddressSets. 5—Users. 6—UserGroups. 7—Applications. 8—AppGroups. 9—Services. 10—Dscp. 	N/A
OptionJsonVal	Json values of the special type configurations	Index	String, case-insensitive. Length: 1 to 65535 characters.	N/A

Example

Example 1: Add new instance for resource table

Json Request

POST /api/v3/AVC/RuleJsonOptions

```
{
  RuleJsonNumber : 1,
  OptionJsonType : 5,
  OptionJsonVal : {"aaa": [{"name": "xxx", "domain": "xxx"}, {"name": "xxx"}]}
}
```

Json Response

AVCSpecification

This table contains the AVC specification information.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
SupportDomain	Whether the function of AVC domain is supported.	N/A	Boolean: <ul style="list-style-type: none">• true.• false.	N/A

Example

Example 1: Get AVC specification information.

Json Request

GET /api/v3/AVC/ AVCSpecification

Json Response

200 OK

```
{
  AVCSpecification:
    [{
      "SupportDomain" : "true"
    }]
}
```

Contents

BFD	1
BFD/Base.....	1
XML structure	1
Table description.....	1
Columns.....	1
BFD/Interfaces	2
XML structure	2
Table description.....	2
Columns.....	2

BFD

BFD/Base

This table contains global BFD information.

XML structure

```
<BFD>
  <Base>
    <MultihopMinTransmitInterval></MultihopMinTransmitInterval>
    <MultihopMinReceiveInterval></MultihopMinReceiveInterval>
    <MultihopDetectMultiplier></MultihopDetectMultiplier>
  </Base>
</BFD>
```

Table description

Item	Description
Feature name	BFD
Table name	Base
Table type	Single-instance table
Row name	None
Restrictions	This table supports only global configurations.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
MultihopMinTransmitInterval	Minimum interval for transmitting multihop BFD control packet.	N/A	Unsigned integer. Unit: millisecond.	The value range for this argument varies by device model.
MultihopMinReceiveInterval	Minimum interval for receiving multihop BFD control packet.	N/A	Unsigned integer. Unit: millisecond.	The value range for this argument varies by device model.
MultihopDetectMultiplier	Multihop detection time multiplier.	N/A	Unsigned integer.	The value range for this argument varies by device model.

BFD/Interfaces

This table contains BFD interface information.

XML structure

```
<BFD>
  <Interfaces>
    <Interface>
      <IfIndex></IfIndex>
      <MinTransmitInterval></MinTransmitInterval>
      <MinReceiveInterval></MinReceiveInterval>
      <DetectMultiplier></DetectMultiplier>
    </Interface>
  </Interfaces>
</BFD>
```

Table description

Item	Description
Feature name	BFD
Table name	Interfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	none
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer	Some versions support interface names. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in <i>Ifmgr NETCONF XML API Configuration Reference</i> .

Column name	Column description	Column type	Data type and restrictions	Remarks
MinTransmitInterval	Minimum interval for transmitting single-hop BFD control.	N/A	Unsigned integer. Unit: millisecond.	The value range for this argument varies by device model.
MinReceiveInterval	Minimum interval for receiving single-hop BFD control.	N/A	Unsigned integer. Unit: millisecond.	The value range for this argument varies by device model.
DetectMultiplier	Single-hop detection time multiplier.	N/A	Unsigned integer.	The value range for this argument varies by device model.

Contents

BFD	1
BFD/Base.....	1
XML structure.....	1
Table description.....	1
Columns.....	1
BFD/Interfaces	2
XML structure.....	2
Table description.....	2
Columns.....	2

BFD

BFD/Base

This table contains global BFD information.

XML structure

```
<BFD>
  <Base>
    <MultihopMinTransmitInterval></MultihopMinTransmitInterval>
    <MultihopMinReceiveInterval></MultihopMinReceiveInterval>
    <MultihopDetectMultiplier></MultihopDetectMultiplier>
  </Base>
</BFD>
```

Table description

Item	Description
Feature name	BFD
Table name	Base
Table type	Single-instance table
Row name	None
Restrictions	This table supports only global configurations.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
MultihopMinTransmitInterval	Minimum interval for transmitting multihop BFD control packets.	N/A	Unsigned integer. Unit: millisecond.	The value range for this argument varies by device model.
MultihopMinReceiveInterval	Minimum interval for receiving multihop BFD control packets.	N/A	Unsigned integer. Unit: millisecond.	The value range for this argument varies by device model.
MultihopDetectMultiplier	Multihop detection time multiplier.	N/A	Unsigned integer.	The value range for this argument varies by device model.

BFD/Interfaces

This table contains BFD interface information.

XML structure

```
<BFD>
  <Interfaces>
    <Interface>
      <IfIndex></IfIndex>
      <MinTransmitInterval></MinTransmitInterval>
      <MinReceiveInterval></MinReceiveInterval>
      <DetectMultiplier></DetectMultiplier>
      <MinEchoReceiveInterval></MinEchoReceiveInterval>
    </Interface>
  </Interfaces>
</BFD>
```

Table description

Item	Description
Feature name	BFD
Table name	Interfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	none

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in <i>Ifmgr NETCONF XML API Configuration Reference</i> .

Column name	Column description	Column type	Data type and restrictions	Remarks
MinTransmitInterval	Minimum interval for transmitting single-hop BFD control packets.	N/A	Unsigned integer. Unit: millisecond.	The value range for this argument varies by device model.
MinReceiveInterval	Minimum interval for receiving single-hop BFD control packets.	N/A	Unsigned integer. Unit: millisecond.	The value range for this argument varies by device model.
DetectMultiplier	Single-hop detection time multiplier.	N/A	Unsigned integer.	The value range for this argument varies by device model.
MinEchoReceiveInterval	Minimum interval for receiving BFD echo packets	N/A	Unsigned integer. Unit: millisecond.	The value range for this argument varies by device model.

Contents

BGP	1
BGP/Instances	1
XML structure	1
Table description	1
Columns	1
BGP/VRFs	2
XML structure	2
Table description	3
Columns	3
BGP/CfgSessionGroups	3
XML structure	3
Table description	4
Columns	5
BGP/CfgSessions	6
XML structure	6
Table description	6
Columns	7
BGP/Familys	8
XML structure	8
Table description	8
Columns	10
BGP/Networks	11
XML structure	11
Table description	12
Columns	12
BGP/Aggregates	12
XML structure	12
Table description	13
Columns	14
BGP/NeighborGroups	14
XML structure	14
Table description	15
Columns	16
BGP/Neighbors	17
XML structure	17
Table description	18
Columns	19
BGP/Redistributes	20
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Table description	21
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BGP

BGP/Instances

This table contains BGP instance information.

XML structure

```
<BGP>
  <Instances>
    <Instance>
      <Name></Name>
      <ASNumber></ASNumber>
      <NSR></NSR>
      <SendDelayTime></SendDelayTime>
      <SendDelayPrefix></SendDelayPrefix>
      <SendStartupTime></SendStartupTime>
      <StartupPolicyMed></StartupPolicyMed>
    </Instance>
  </Instances>
</BGP>
```

Table description

Item	Description
Feature name	BGP
Table name	Instances
Table type	Multi-instance table
Row name	Instance
Restrictions	No
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name	Index	String. Length: 0 to 31 characters.	An empty string indicates the default BGP process. When execute get bulk operation, you can only get the data of the specified BGP

Column name	Column description	Column type	Data type and restrictions	Remarks
				instance.
ASNumber	Autonomous System number		Unsigned integer. Value range: 1 to 4294967295	N/A
NSR	Nonstop Routing		Enumeration. <ul style="list-style-type: none"> 0—Disable.(default) 1—Enable. 	N/A
SendDelayTime	Send delay time in seconds		Unsigned integer. Value range: 0 to 3600	The value 0 indicates that the BGP speaker never send the update message.
SendDelayPrefix	Send delay prefix list		String. Length: 1 to 63 characters.	N/A
SendStartupTime	Send startup time in seconds		Unsigned integer. Value range: 0 to 3600	The value 0 indicates that the BGP speaker always send the update message with the startup policy.
StartupPolicy Med	Satrtup policy MED		Unsigned integer. Value range: 0 to 4294967295	N/A

BGP/VRFs

This table contains BGP VRF information.

XML structure

```

<BGP>
  <VRFs>
    <VRF>
      <Name></Name>
      <VRF></VRF>
      <RouterId></RouterId>
      <Timer>
        <KeepAlive></KeepAlive>
        <HoldTime></HoldTime>
      </Timer>
    </VRF>
  </VRFs>
</BGP>

```

Table description

Item	Description
Feature name	BGP
Table name	VRFs
Table type	Multi-instance table
Row name	VRF
Restrictions	No
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name	Index	String. Length: 0 to 31 characters.	An empty string indicates the default BGP process.
VRFName	VRF name	Index	String. Length: 0 to 31 characters.	An empty string indicates the public network.
RouterId	BGP Router Id		IPv4 address string	N/A
Timer	Keepalive and Holdtime	Data Structure	Include: <ul style="list-style-type: none">• KeepAlive• HoldTime	N/A
KeepAlive	Keepalive Interval in Seconds		Unsigned integer. Value range: 0 to 21845	N/A
HoldTime	Holdtime in Seconds		Unsigned integer. Value range: 0 to 65535	N/A

BGP/CfgSessionGroups

This table contains configure information of BGP session group.

XML structure

```
<BGP>
  <CfgSessionGroups>
    <CfgSessionGroup>
      <Name></Name>
      <VRF></VRF>
      <GroupName></GroupName>
```

```

<Type></Type>
<ASNumber></ASNumber>
<ConnectInterface></ConnectInterface>
<UpdateInterval></UpdateInterval>
<PasswordType></PasswordType>
<Password></Password>
<BfdType></BfdType>
<EbgpMaxHop></EbgpMaxHop>
<Ignore></Ignore>
</CfgSessionGroup>
</CfgSessionGroups>
</BGP>

```

Table description

Item	Description
Feature name	BGP
Table name	CfgSessionGroups
Table type	Multi-instance table
Row name	CfgSessionGroup
Restrictions	No
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name	Index	String. Length: 0 to 31 characters.	An empty string indicates the default BGP process.
VRF	VRF name	Index	String. Length: 0 to 31 characters.	An empty string indicates the public network.
GroupName	Group Name	Index	String. Length: 1 to 47 characters.	N/A
Type	Internal or External		Enumeration. <ul style="list-style-type: none"> 0—Internal.(default) 1—External. 	N/A
ASNumber	Autonomous System number		Unsigned integer. Value range: 1 to 4294967295	N/A
ConnectInterface	Connect Interface		String. Length: 1 to 47 characters.	N/A
UpdateInterval	Route Update Interval		Unsigned integer. Value range: 0 to 600	N/A
PasswordType	Password type.		Enumeration. <ul style="list-style-type: none"> 1—Ciphertext. 2—Plaintext. 	N/A
Password	Password.		String. Length: 1 to 80 characters for MD5 plaintext password. 33 to 137 characters for MD5 ciphertext password.	N/A
BfdType	Bfd type		Enumeration. <ul style="list-style-type: none"> 0—default type 1—single-hop 2—multi-hop 	The default type indicate that actual bfd type (single-hop or multi-hop) depend on different situations
EbgpMaxHop	EBGP multihop		Unsigned integer. Value range: 1 to 255	N/A
Ignore	Disable session establishment to the peers		Enumeration. <ul style="list-style-type: none"> 0—Disable.(default) 1—Enable. 	N/A

BGP/CfgSessions

This table contains configure information of BGP session.

XML structure

```
<BGP>
  <CfgSessions>
    <CfgSession>
      <Name></Name>
      <VRF></VRF>
      <SessAF></SessAF>
      <IpAddress></IpAddress>
      <Mask></Mask>
      <ASNumber></ASNumber>
      <GroupName></GroupName>
      <ConnectInterface></ConnectInterface>
      <UpdateInterval></UpdateInterval>
      <PasswordType></PasswordType>
      <Password></Password>
      <BfdType></BfdType>
      <Ignore></Ignore>
      <EbgpMaxHop></EbgpMaxHop>
    </CfgSession>
  </CfgSessions>
</BGP>
```

Table description

Item	Description
Feature name	BGP
Table name	CfgSessions
Table type	Multi-instance table
Row name	CfgSession
Restrictions	No
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name	Index	String. Length: 0 to 31 characters.	An empty string indicates the default BGP process.
VRF	VRF name	Index	String. Length: 0 to 31 characters.	An empty string indicates the public network.
SessAF	Address family of session	Index	Enumeration: <ul style="list-style-type: none"> 1—IPv4. 2—IPv6. 	N/A
IpAddress	Address of session	Index	String,IPv4 address string or IPv6 address string.	Example: 1.1.1.1 or 1::1.
Mask	Mask of session address	Index	Unsigned integer. Value range: 0 to 128,or 255	For non-dynamic peers, this is 255.For IPv4 dynamic peers,this is 0 to 32.For IPv6 dynamic peers, this is 0 to 128.
ASNumber	Autonomous System number		Unsigned integer. Value range: 1 to 4294967295	N/A
GroupName	Group Name		String. Length: 1 to 47 characters.	N/A
ConnectInterface	Connect Interface		String. Length: 1 to 47 characters.	N/A
UpdateInterval	Route Update Interval		Unsigned integer. Value range: 0 to 600	N/A
PasswordType	Password type.		Enumeration. <ul style="list-style-type: none"> 1—Ciphertext. 2—Plaintext. 	N/A
Password	Password.		String. Length: 1 to 80 characters for MD5 plaintext password. 33 to 137 characters for MD5 ciphertext password.	N/A
BfdType	Bfd type		Enumeration. <ul style="list-style-type: none"> 0—default type 1—single-hop 2—multi-hop 	The default type indicate that actual bfd type (single-hop or multi-hop) depend on different situations

Column name	Column description	Column type	Data type and restrictions	Remarks
EbgpMaxHop	EBGP multihop		Unsigned integer. Value range: 1 to 255	N/A
Ignore	Disable session establishment to the peers		Enumeration. <ul style="list-style-type: none"> 0—Disable.(default) 1—Enable. 	N/A

BGP/Familys

This table contains address family identifier information of BGP.

XML structure

```

<BGP>
  <Familys>
    <Family>
      <Name></Name>
      <VRF></VRF>
      <Type></Type>
      <Preference>
        <Ebgp></Ebgp>
        <Ibgp></Ibgp>
        <Local></Local>
      </Preference>
      <Balance>
        <MaxBalance></MaxBalance>
      </Balance>
      <PolicyVpnTarget></PolicyVpnTarget>
      <ReflectBtwClients></ReflectBtwClients>
      <ReflectorClusterID></ReflectorClusterID>
      <RrFilter></RrFilter>
      <DefaultRtImport></DefaultRtImport>
      <DomainDistinguisher></DomainDistinguisher>
      <PIC></PIC>
    </Family>
  </Familys>
</BGP>

```

Table description

Item	Description
Feature name	BGP
Table name	Family

Table type	Multi-instance table
Row name	Family
Restrictions	No
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name	Index	String. Length: 0 to 31 characters.	An empty string indicates the default BGP process.
VRF	VRF name	Index	String. Length: 0 to 31 characters.	An empty string indicates the public network.
Type	Address Family Identifier	Index	Enumeration: <ul style="list-style-type: none"> 1—IPv4 Unicast. 2—IPv4 Multicast. 3—MDT 4—VPNv4 5—IPv6 Unicast 6—IPv6 Multicast. 7—VPNv6 8—L2VPN 9—L2VPN EVPN 10—Link-State 	N/A
Preference	Preference for BGP Routes	Data Structure	Include: <ul style="list-style-type: none"> Ebgp Ibgp Local 	N/A
Ebgp	Preference for eBGP Routes		Unsigned integer. Value range: 1 to 255	N/A
Ibgp	Preference for iBGP Routes		Unsigned integer. Value range: 1 to 255	N/A
Local	Preference for Local Routes		Unsigned integer. Value range: 1 to 255	N/A
Balance	number of BGP ECMP routes for load balancing	Data Structure	Include: <ul style="list-style-type: none"> MaxBalance 	N/A
MaxBalance	maximum number of BGP ECMP routes for load balancing		Unsigned integer. Value range: 1 to 255	N/A
PolicyVpnTarget	Filter VPN routes with VPN-Target attribute		Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
ReflectBtwClients	Route reflection between clients		Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
ReflectorClusterID	cluster ID of the route reflector		String,IPv4 address string or Unsigned integer. Value range: 1 to 4294967295	N/A
RrFilter	Specify reflector route Extended community filter policy		Unsigned integer. Value range: 1 to 199	Only IBGP routes whose extended community attribute matches the specified extended community list are reflected.
DefaultRtImport	Import default route		Enumeration: <ul style="list-style-type: none"> 0—Disable 1—Enable. 	N/A
DomainDistinguisher	A globally unique identifier for LS domain		String. Length: 0 to 31 characters. The format is AS<1-4294967295>:routerID <X.X.X.X>.	Example: 100:13.14.23.22
PIC	Enable Prefix Independent Convergence		Enumeration: <ul style="list-style-type: none"> 0—Disable 1—Enable. 	N/A

BGP/Networks

This table contains BGP network information.

XML structure

```

<BGP>
  <Networks>
    <Network>
      <Name></Name>
      <VRF></VRF>
      <Family></Family>
      <IpAddress></IpAddress>
      <Mask></Mask>
    </Network>
  </Networks>
</BGP>

```

Table description

Item	Description
Feature name	BGP
Table name	Networks
Table type	Multi-instance table
Row name	Network
Restrictions	No
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name	Index	String. Length: 0 to 31 characters.	An empty string indicates the default BGP process.
VRF	VRF name	Index	String. Length: 0 to 31 characters.	An empty string indicates the public network.
Family	Address Family Identifier of Network	Index	Enumeration: <ul style="list-style-type: none">• 1—IPv4 Unicast• 2—IPv4 Multicast• 5—IPv6 Unicast• 6—IPv6 Multicast	N/A
IpAddress	Address of Network	Index	String,IPv4 address string or IPv6 address string.	Example: 1.1.1.1 or 1::1.
Mask	Mask of Network address	Index	Unsigned integer. Value range: 0 to 128	For IPv4,this is 0 to 32.For IPv6 this is 0 to 128.

BGP/Aggregates

This table contains BGP aggregate information.

XML structure

```
<BGP>
  <Aggregates>
    <Aggregate>
      <Name></Name>
```



```

    <VRF></VRF>
    <Family></Family>
    <IpAddress></IpAddress>
    <Mask></Mask>
    <DetailSuppressed></DetailSuppressed>
  </Aggregate>
</Aggregates>
</BGP>

```

Table description

Item	Description
Feature name	BGP
Table name	Aggregates
Table type	Multi-instance table
Row name	Aggregate
Restrictions	No
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name	Index	String. Length: 0 to 31 characters.	An empty string indicates the default BGP process.
VRF	VRF name	Index	String. Length: 0 to 31 characters.	An empty string indicates the public network.
Family	Address Family Identifier of Aggregate	Index	Enumeration: <ul style="list-style-type: none"> 1—IPv4 Unicast 2—IPv4 Multicast 5—IPv6 Unicast 6—IPv6 Multicast 	N/A
IpAddress	Address of aggregate	Index	String,IPv4 address string or IPv6 address string.	Example: 1.1.1.1 or 1::1.
Mask	Mask of aggregate address	Index	Unsigned integer. Value range: 0 to 128	For IPv4,this is 0 to 32.For IPv6 this is 0 to 128.
DetailSuppressed	Detail Suppressed		Enumeration. <ul style="list-style-type: none"> 0—Disable.(default) 1—Enable. 	N/A

BGP/NeighborGroups

This table contains BGP neighbor group information.

XML structure

```

<BGP>
  <NeighborGroups>
    <NeighborGroup>
      <Name></Name>
      <VRF></VRF>
      <Family></Family>
      <GroupName></GroupName>
      <RtPolicyImport></RtPolicyImport>
      <RtPolicyExport></RtPolicyExport>
      <AllowAsLoop></AllowAsLoop>
      <ReflectClient></ReflectClient>
      <NexthopInvariable></NexthopInvariable>
      <NexthopLocal></NexthopLocal>
      <RouterMacLocal></RouterMacLocal>
      <AdvertiseCommunity></AdvertiseCommunity>
    </NeighborGroup>
  </NeighborGroups>
</BGP>

```

```

    <RouteLimit>
      <Number></Number>
      <Percentage></Percentage>
      <AlertOnly></AlertOnly>
      <Discard></Discard>
      <Reconnect></Reconnect>
    </RouteLimit>
  </NeighborGroup>
</NeighborGroups>
</BGP>

```

Table description

Item	Description
Feature name	BGP
Table name	NeighborGroups
Table type	Multi-instance table
Row name	NeighborGroup
Restrictions	No
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name	Index	String. Length: 0 to 31 characters.	An empty string indicates the default BGP process.
VRF	VRF name	Index	String. Length: 0 to 31 characters.	An empty string indicates the public network.
Family	Address Family Identifier of NeighborGroup	Index	Enumeration: <ul style="list-style-type: none"> 1—IPv4 Unicast. 2—IPv4 Multicast. 3—MDT 4—VPNv4 5—IPv6 Unicast 6—IPv6 Multicast. 7—VPNv6 8—L2VPN 9—L2VPN EVPN 10—Link-State 	N/A
GroupName	Group Name	Index	String. Length: 1 to 47 characters.	N/A
RtPolicyImport	Import Route-Policy for NeighborGroup		String. Length: 1 to 63 characters.	N/A
RtPolicyExport	Export Route-Policy for NeighborGroup		String. Length: 1 to 63 characters.	N/A
AllowAsLoop	allow a local AS number to exist in the AS_PATH attribute of routes		Unsigned integer. Value range: 1 to 10	N/A
ReflectClient	Configure the device as a route reflector and specify a peer or peer group as a client		Enumeration. <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
NextHopInvariable	Send original next hop for routes advertised to the peer		Enumeration. <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	Next-hop-local conflict with next-hop-invariable.
NextHopLocal	Specify local address as the next hop of routes advertised		Enumeration. <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	Next-hop-local conflict with next-hop-invariable

Column name	Column description	Column type	Data type and restrictions	Remarks
	to the peers			
RouterMacLocal	Specify local MAC as the router MAC of routes advertised to and received from the peers		Enumeration. <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
AdvertiseCommunity	Send community attribute to the peers		Enumeration. <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
RouteLimit	Configure the maximum number of routes that can be received from the peers	Data Structure	Include: <ul style="list-style-type: none"> Number Percentage AlertOnly Discard Reconnect 	N/A
Number	Number of prefixes		Unsigned integer. Value range: 1 to 4294967295	N/A
Percentage	Percentage value to trigger a warning message		Unsigned integer. Value range: 1 to 100. Default is 75	N/A
AlertOnly	Generate a log message when the route limit is exceeded		Enumeration. <ul style="list-style-type: none"> 0—Disable. (default) 1—Enable. 	N/A
Discard	Discard routes received after the route limit is exceeded		Enumeration. <ul style="list-style-type: none"> 0—Disable. (default) 1—Enable. 	N/A
Reconnect	Reconnect time in seconds		Unsigned integer. Value range: 1 to 65535	N/A

BGP/Neighbors

This table contains BGP neighbor information.

XML structure

```

<BGP>
  <Neighbors>
    <Neighbor>
      <Name></Name>
    
```

```

<VRF></VRF>
<Family></Family>
<SessAF></SessAF>
<IpAddress></IpAddress>
<Mask></Mask>
<RtPolicyImport></RtPolicyImport>
<RtPolicyExport></RtPolicyExport>
<AllowAsLoop></AllowAsLoop>
<ReflectClient></ReflectClient>
<NexthopInvariable></NexthopInvariable>
<NexthopLocal></NexthopLocal>
<RouterMacLocal></RouterMacLocal>
<AdvertiseCommunity></AdvertiseCommunity>
<RouteLimit>
  <Number></Number>
  <Percentage></Percentage>
  <AlertOnly></AlertOnly>
  <Discard></Discard>
  <Reconnect></Reconnect>
</RouteLimit>
</Neighbor>
</Neighbors>
</BGP>

```

Table description

Item	Description
Feature name	BGP
Table name	Neighbors
Table type	Multi-instance table
Row name	Neighbor
Restrictions	No
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name	Index	String. Length: 0 to 31 characters.	An empty string indicates the default BGP process.
VRF	VRF name	Index	String. Length: 0 to 31 characters.	An empty string indicates the public network.
Family	Address Family Identifier of Neighbor	Index	Enumeration: <ul style="list-style-type: none"> 1—IPv4 Unicast. 2—IPv4 Multicast. 3—MDT 4—VPNv4 5—IPv6 Unicast 6—IPv6 Multicast. 7—VPNv6 8—L2VPN 9—L2VPN EVPN 10—Link-State 	N/A
SessAF	Address family of session	Index	Enumeration: <ul style="list-style-type: none"> 1—IPv4. 2—IPv6. 	N/A
IpAddress	Address of session	Index	String,IPv4 address string or IPv6 address string.	Example: 1.1.1.1 or 1::1.
Mask	Mask of session address	Index	Unsigned integer. Value range: 0 to 128,or 255	For non-dynamic peers, this is 255.For IPv4 dynamic peers,this is 0 to 32.For IPv6 dynamic peers, this is 0 to 128.
RtPolicyImport	Import Route-Policy for Neighbor		String. Length: 1 to 63 characters.	N/A
RtPolicyExport	Export Route-Policy for Neighbor		String. Length: 1 to 63 characters.	N/A
AllowAsLoop	allow a local AS number to exist in the AS_PATH attribute of routes		Unsigned integer. Value range: 1 to 10	N/A
ReflectClient	Configure the device as a route reflector and specify a peer or peer group as a client		Enumeration. <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
NextHopInvariable	Send original next hop for routes advertised to the peer		Enumeration. <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	Next-hop-local conflict with next-hop-invariable
NextHopLocal	Specify local address as the next hop of routes advertised to the peers		Enumeration. <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	Next-hop-local conflict with next-hop-invariable
RouterMacLocal	Specify local MAC as the router MAC of routes advertised to and received from the peers		Enumeration. <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
AdvertiseCommunity	Send community attribute to the peers		Enumeration. <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
RouteLimit	Configure the maximum number of routes that can be received from the peers	Data Structure	Include: <ul style="list-style-type: none"> Number Percentage AlertOnly Discard Reconnect 	N/A
Number	Number of prefixes		Unsigned integer. Value range: 1 to 4294967295	N/A
Percentage	Percentage value to trigger a warning message		Unsigned integer. Value range: 1 to 100. Default is 75	N/A
AlertOnly	Generate a log message when the route limit is exceeded		Enumeration. <ul style="list-style-type: none"> 0—Disable. (default) 1—Enable. 	N/A
Discard	Discard routes received after the route limit is exceeded		Enumeration. <ul style="list-style-type: none"> 0—Disable. (default) 1—Enable. 	N/A
Reconnect	Reconnect time in seconds		Unsigned integer. Value range: 1 to 65535	N/A

BGP/Redistributes

This table contains BGP redistribute information.

XML structure

```
<BGP>
  <Redistributes>
    <Redist>
      <Name></Name>
      <VRF></VRF>
      <Family></Family>
      <Protocol></Protocol>
      <RedistName></RedistName>
      <AllowDirect></AllowDirect>
      <Med></Med>
      <RoutePolicy></RoutePolicy>
    </Redist>
  </Redistributes>
</BGP>
```

Table description

Item	Description
Feature name	BGP
Table name	Redistributes
Table type	Multi-instance table
Row name	Redist
Restrictions	No
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name	Index	String. Length: 0 to 31 characters.	An empty string indicates the default BGP process.
VRF	VRF name	Index	String. Length: 0 to 31 characters.	An empty string indicates the public network.
Family	Address Family Identifier	Index	Enumeration: <ul style="list-style-type: none"> 1—IPv4 Unicast. 2—IPv4 Multicast. 5—IPv6 Unicast 6—IPv6 Multicast. 	N/A
Protocol	Protocol name	Index	Enumeration: <ul style="list-style-type: none"> 1—Direct. 2—Static. 3—RIP 4—OSPF 5—ISIS 	N/A
RedistName	Redistributed process name	Index	String. Length: 0 to 31 characters.	It must be empty when the Protocol column is Direct, Static.
AllowDirect	Include direct routes.		Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
Med	Value of the MED.		Unsigned integer. Value range: 0 to 4294967295	N/A
RoutePolicy	Name of the routing policy.		String. Length: 1 to 63 characters	N/A

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BGP

BGP/Instances

This table contains BGP instance information.

XML structure

```
<BGP>
  <Instances>
    <Instance>
      <Name></Name>
      <ASNumber></ASNumber>
      <NSR></NSR>
      <SendDelayTime></SendDelayTime>
      <SendDelayPrefix></SendDelayPrefix>
      <SendStartupTime></SendStartupTime>
      <StartupPolicyMed></StartupPolicyMed>
    </Instance>
  </Instances>
</BGP>
```

Table description

Item	Description
Feature name	BGP
Table name	Instances
Table type	Multi-instance table
Row name	Instance
Restrictions	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name	Index	String. Length: 0 to 31 characters.	An empty string indicates the default BGP process. When execute get bulk operation, you can only get the data of the specified BGP instance.

Column name	Column description	Column type	Data type and restrictions	Remarks
ASNumber	Autonomous System number		Unsigned integer. Value range: 1 to 4294967295	N/A
NSR	Nonstop Routing		Enumeration. <ul style="list-style-type: none"> • 0—Disable. • 1—Enable. 	N/A
SendDelayTime	Send delay time in seconds		Unsigned integer. Value range: 0 to 3600	The value 0 indicates that the BGP speaker never send the update message.
SendDelayPrefix	Send delay prefix list		String. Length: 1 to 63 characters.	N/A
SendStartupTime	Send startup time in seconds		Unsigned integer. Value range: 0 to 3600	The value 0 indicates that the BGP speaker always send the update message with the startup policy.
StartupPolicyMed	Startup policy MED		Unsigned integer. Value range: 0 to 4294967295	N/A

BGP/VRFs

This table contains BGP VRF information.

XML structure

```

<BGP>
  <VRFs>
    <VRF>
      <Name></Name>
      <VRF></VRF>
      <RouterId></RouterId>
      <Timer>
        <KeepAlive></KeepAlive>
        <HoldTime></HoldTime>
      </Timer>
    </VRF>
  </VRFs>
</BGP>

```

Table description

Item	Description
Feature name	BGP
Table name	VRFs
Table type	Multi-instance table
Row name	VRF
Restrictions	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name	Index	String. Length: 0 to 31 characters.	An empty string indicates the default BGP process.
VRF	VRF name	Index	String. Length: 0 to 31 characters.	An empty string indicates the public network.
RouterId	BGP Router Id		String,IPv4 address string	N/A
Timer	Keepalive and Holdtime	Data Structure	Include: <ul style="list-style-type: none">• KeepAlive• HoldTime	N/A
KeepAlive	Keepalive Interval in Seconds		Unsigned integer. Value range: 0 to 21845	N/A
HoldTime	Holdtime in Seconds		Unsigned integer. Value range: 0, or 3 to 65535	N/A

BGP/CfgSessionGroups

This table contains configure information of BGP session group.

XML structure

```
<BGP>
  <CfgSessionGroups>
    <CfgSessionGroup>
      <Name></Name>
      <VRF></VRF>
      <GroupName></GroupName>
      <Type></Type>
```

```

    <ASNumber></ASNumber>
    <ConnectInterface></ConnectInterface>
    <UpdateInterval></UpdateInterval>
    <PasswordType></PasswordType>
    <Password></Password>
    <BfdType></BfdType>
    <EbgpMaxHop></EbgpMaxHop>
    <Ignore></Ignore>
  </CfgSessionGroup>
</CfgSessionGroups>
</BGP>

```

Table description

Item	Description
Feature name	BGP
Table name	CfgSessionGroups
Table type	Multi-instance table
Row name	CfgSessionGroup
Restrictions	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name	Index	String. Length: 0 to 31 characters.	An empty string indicates the default BGP process.
VRF	VRF name	Index	String. Length: 0 to 31 characters.	An empty string indicates the public network.
GroupName	Group Name	Index	String. Length: 1 to 47 characters.	N/A
Type	Internal or External		Enumeration. <ul style="list-style-type: none"> • 0—Internal. • 1—External. 	N/A
ASNumber	Autonomous System number		Unsigned integer. Value range: 1 to 4294967295	N/A
ConnectInterface	Connect Interface		String. Length: 1 to 47 characters.	N/A
UpdateInterval	Route Update Interval		Unsigned integer. Value range: 0 to 600	N/A
PasswordType	Password type.		Enumeration. <ul style="list-style-type: none"> • 1—Ciphertext. • 2—Plaintext. 	The password can only be displayed in cipher text.
Password	Password.		String. Length: 1 to 80 characters for MD5 plaintext password. 33 to 137 characters for MD5 ciphertext password.	
BfdType	Bfd type		Enumeration. <ul style="list-style-type: none"> • 0—default type • 1—single-hop • 2—multi-hop 	The default type indicate that actual bfd type (single-hop or multi-hop) depend on different situations
EbgpMaxHop	EBGP multihop		Unsigned integer. Value range: 1 to 255	N/A
Ignore	Disable session establishment to the peers		Enumeration. <ul style="list-style-type: none"> • 0—Disable. • 1—Enable. 	N/A

BGP/CfgSessions

This table contains configure information of BGP session.

XML structure

```
<BGP>
  <CfgSessions>
    <CfgSession>
      <Name></Name>
      <VRF></VRF>
      <SessAF></SessAF>
      <IpAddress></IpAddress>
      <Mask></Mask>
      <ASNumber></ASNumber>
      <GroupName></GroupName>
      <ConnectInterface></ConnectInterface>
      <UpdateInterval></UpdateInterval>
      <PasswordType></PasswordType>
      <Password></Password>
      <BfdType></BfdType>
      <EbgpMaxHop></EbgpMaxHop>
      <Ignore></Ignore>
    </CfgSession>
  </CfgSessions>
</BGP>
```

Table description

Item	Description
Feature name	BGP
Table name	CfgSessions
Table type	Multi-instance table
Row name	CfgSession
Restrictions	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name	Index	String. Length: 0 to 31 characters.	An empty string indicates the default BGP process.
VRF	VRF name	Index	String. Length: 0 to 31 characters.	An empty string indicates the public network.
SessAF	Address family of session	Index	Enumeration: <ul style="list-style-type: none"> 1—IPv4. 2—IPv6. 	N/A
IpAddress	Address of session	Index	String,IPv4 address string or IPv6 address string.	Example: 1.1.1.1 or 1::1.
Mask	Mask of session address	Index	Unsigned integer. Value range: 0 to 128,or 255	For non-dynamic peers, this is 255.For IPv4 dynamic peers,this is 0 to 32.For IPv6 dynamic peers, this is 0 to 128.
ASNumber	Autonomous System number		Unsigned integer. Value range: 1 to 4294967295	N/A
GroupName	Group Name		String. Length: 1 to 47 characters.	N/A
ConnectInterface	Connect Interface		String. Length: 1 to 47 characters.	N/A
UpdateInterval	Route Update Interval		Unsigned integer. Value range: 0 to 600	N/A
PasswordType	Password type.		Enumeration. <ul style="list-style-type: none"> 1—Ciphertext. 2—Plaintext. 	The password can only be displayed in cipher text.
Password	Password.		String. Length: 1 to 80 characters for MD5 plaintext password. 33 to 137 characters for MD5 ciphertext password.	
BfdType	Bfd type		Enumeration. <ul style="list-style-type: none"> 0—default type 1—single-hop 2—multi-hop 	The default type indicate that actual bfd type (single-hop or multi-hop) depend on different situations

Column name	Column description	Column type	Data type and restrictions	Remarks
EbgpMaxHop	EBGP multihop		Unsigned integer. Value range: 1 to 255	N/A
Ignore	Disable session establishment to the peers		Enumeration. <ul style="list-style-type: none"> 0—Disable 1—Enable. 	N/A

BGP/Sessions

This table contains state information of BGP session.

XML structure

```

<BGP>
  <Sessions>
    <Session>
      <Name></Name>
      <VRF></VRF>
      <AF></AF>
      <IpAddress></IpAddress>
      <ASNumber></ASNumber>
      <State></State>
    </Session>
  </Sessions>
</BGP>

```

Table description

Item	Description
Feature name	BGP
Table name	Sessions
Table type	Multi-instance table
Row name	Session
Restrictions	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name	Index	String. Length: 0 to 31 characters.	An empty string indicates the default BGP process.
VRF	VRF name	Index	String. Length: 0 to 31 characters.	An empty string indicates the public network.
AF	Address family of session	Index	Enumeration: <ul style="list-style-type: none"> 1—IPv4. 2—IPv6. 	N/A
IpAddress	Address of session	Index	String, IPv4 address string or IPv6 address string.	Example: 1.1.1.1 or 1::1.
ASNumber	Autonomous System number		Unsigned integer. Value range: 1 to 4294967295	N/A
State	Session state		Enumeration: <ul style="list-style-type: none"> 0—Idle 1—Connect 2—Active 3—Opensent 4—Openconfirm 5—Established 	Established state means that the BGP session is established, but whether the address families are negotiated is unknown.

BGP/Familys

This table contains address family identifier information of BGP.

XML structure

```

<BGP>
  <Familys>
    <Family>
      <Name></Name>
      <VRF></VRF>
      <Type></Type>
      <Preference>
        <Ebgp></Ebgp>
        <Ibgp></Ibgp>
        <Local></Local>
      </Preference>
      <Balance>

```

```

    <MaxBalance></MaxBalance>
  </Balance>
  <PolicyVpnTarget></PolicyVpnTarget>
  <ReflectBtwClients></ReflectBtwClients>
  <ReflectorClusterID></ReflectorClusterID>
  <RrFilter></RrFilter>
  <DefaultRtImport></DefaultRtImport>
  <DomainDistinguisher></DomainDistinguisher>
  <PIC></PIC>
</Family>
</Familys>
</BGP>

```

Table description

Item	Description
Feature name	BGP
Table name	Family
Table type	Multi-instance table
Row name	Family
Restrictions	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name	Index	String. Length: 0 to 31 characters.	An empty string indicates the default BGP process.
VRF	VRF name	Index	String. Length: 0 to 31 characters.	An empty string indicates the public network.
Type	Address Family Identifier	Index	Enumeration: <ul style="list-style-type: none"> 1—IPv4 Unicast. 2—IPv4 Multicast. 3—MDT 4—VPNv4 5—IPv6 Unicast 6—IPv6 Multicast. 7—VPNv6 8—L2VPN 9—L2VPN EVPN 10—Link-State 	N/A
Preference	Preference for BGP Routes	Data Structure	Include: <ul style="list-style-type: none"> Ebgp Ibgp Local 	N/A
Ebgp	Preference for eBGP Routes		Unsigned integer. Value range: 1 to 255	N/A
Ibgp	Preference for iBGP Routes		Unsigned integer. Value range: 1 to 255	N/A
Local	Preference for Local Routes		Unsigned integer. Value range: 1 to 255	N/A
Balance	number of BGP ECMP routes for load balancing	Data Structure	Include: <ul style="list-style-type: none"> MaxBalance 	N/A
MaxBalance	maximum number of BGP ECMP routes for load balancing		Unsigned integer. Value range: 1 to 255	N/A
PolicyVpnTarget	Filter VPN routes with VPN-Target attribute		Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
ReflectBtwClients	Route reflection between clients		Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
ReflectorClusterID	cluster ID of the route reflector		String, IPv4 address string or Unsigned integer. Value range: 1 to 4294967295	N/A
RrFilter	Specify reflector route Extended community filter policy		Unsigned integer. Value range: 1 to 199	Only IBGP routes whose extended community attribute matches the specified extended community list are reflected.
DefaultRouteImport	Import default route		Enumeration: <ul style="list-style-type: none"> 0—Disable 1—Enable. 	N/A
DomainDistinguisher	A globally unique identifier for LS domain		String. Length: 0 to 31 characters. The format is AS<1-4294967295>:routerID <X.X.X.X>.	Example: 100:13.14.23.22
PIC	Enable Prefix Independent Convergence		Enumeration: <ul style="list-style-type: none"> 0—Disable 1—Enable. 	N/A

BGP/Networks

This table contains BGP network information.

XML structure

```

<BGP>
  <Networks>
    <Network>
      <Name></Name>
      <VRF></VRF>
      <Family></Family>
      <IpAddress></IpAddress>
      <Mask></Mask>
    </Network>
  </Networks>
</BGP>

```

Table description

Item	Description
Feature name	BGP
Table name	Networks
Table type	Multi-instance table
Row name	Network
Restrictions	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name	Index	String. Length: 0 to 31 characters.	An empty string indicates the default BGP process.
VRF	VRF name	Index	String. Length: 0 to 31 characters.	An empty string indicates the public network.
Family	Address Family Identifier of Aggregate	Index	Enumeration: <ul style="list-style-type: none">• 1—IPv4 Unicast• 2—IPv4 Multicast• 5—IPv6 Unicast• 6—IPv6 Multicast	N/A
IpAddress	Address of Network	Index	String,IPv4 address string or IPv6 address string.	Example: 1.1.1.1 or 1::1.
Mask	Mask of Network address	Index	Unsigned integer. Value range: 0 to 128	For IPv4,this is 0 to 32.For IPv6, this is 0 to 128.

BGP/Aggregates

This table contains BGP aggregate information.

XML structure

```
<BGP>
  <Aggregates>
    <Aggregate>
      <Name></Name>
      <VRF></VRF>
```



```

    <Family></Family>
    <IpAddress></IpAddress>
    <Mask></Mask>
    <DetailSuppressed></DetailSuppressed>
  </Aggregate>
</Aggregates>
</BGP>

```

Table description

Item	Description
Feature name	BGP
Table name	Aggregates
Table type	Multi-instance table
Row name	Aggregate
Restrictions	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name	Index	String. Length: 0 to 31 characters.	An empty string indicates the default BGP process.
VRF	VRF name	Index	String. Length: 0 to 31 characters.	An empty string indicates the public network.
Family	Address Family Identifier of Aggregate	Index	Enumeration: <ul style="list-style-type: none"> 1—IPv4 Unicast 2—IPv4 Multicast 5—IPv6 Unicast 6—IPv6 Multicast 	N/A
IpAddress	Address of aggregate	Index	String,IPv4 address string or IPv6 address string.	Example: 1.1.1.1 or 1::1.
Mask	Mask of aggregate address	Index	Unsigned integer. Value range: 0 to 128,or 255	For IPv4,this is 0 to 32.For IPv6, this is 0 to 128.
DetailSuppressed	Detail Suppressed		Enumeration. <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A

BGP/NeighborGroups

This table contains BGP neighbor group information.

XML structure

```
<BGP>
  <NeighborGroups>
    <NeighborGroup>
      <Name></Name>
      <VRF></VRF>
      <Family></Family>
      <GroupName></GroupName>
      <RtPolicyImport></RtPolicyImport>
      <RtPolicyExport></RtPolicyExport>
      <AllowAsLoop></AllowAsLoop>
      <ReflectClient></ReflectClient>
      <NexthopInvariable></NexthopInvariable>
      <NexthopLocal></NexthopLocal>
      <RouterMacLocal></RouterMacLocal>
      <AdvertiseCommunity></AdvertiseCommunity>
      <RouteLimit>
        <Number></Number>
        <Percentage></Percentage>
        <AlertOnly></AlertOnly>
        <Discard></Discard>
        <Reconnect></Reconnect>
      </RouteLimit>
    </NeighborGroup>
  </NeighborGroups>
</BGP>
```

Table description

Item	Description
Feature name	BGP
Table name	NeighborGroups
Table type	Multi-instance table
Row name	NeighborGroup
Restrictions	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name	Index	String. Length: 0 to 31 characters.	An empty string indicates the default BGP process.
VRF	VRF name	Index	String. Length: 0 to 31 characters.	An empty string indicates the public network.
Family	Address Family Identifier of NeighborGroup	Index	Enumeration: <ul style="list-style-type: none"> 1—IPv4 Unicast. 2—IPv4 Multicast. 3—MDT 4—VPNv4 5—IPv6 Unicast 6—IPv6 Multicast. 7—VPNv6 8—L2VPN 9—L2VPN EVPN 10—Link-State 	N/A
GroupName	Group Name	Index	String. Length: 1 to 47 characters.	N/A
RtPolicyImport	Import Route-Policy for NeighborGroup		String. Length: 1 to 63 characters.	N/A
RtPolicyExport	Export Route-Policy for NeighborGroup		String. Length: 1 to 63 characters.	N/A
AllowAsLoop	allow a local AS number to exist in the AS_PATH attribute of routes		Unsigned integer. Value range: 1 to 10	N/A
ReflectClient	Configure the device as a route reflector and specify a peer or peer group as a client		Enumeration. <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
NextHopInvariable	Send original next hop for routes advertised to the peer		Enumeration. <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	Next-hop-local conflict with next-hop-invariable
NextHopLocal	Specify local address as the next hop of routes advertised to the peers		Enumeration. <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	Next-hop-local conflict with next-hop-invariable.
RouterMacLocal	Specify local MAC as the		Enumeration. <ul style="list-style-type: none"> 0—Disable. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	router MAC of routes advertised to and received from the peers		<ul style="list-style-type: none"> 1—Enable. 	
AdvertiseCommunity	Send community attribute to the peers		Enumeration. <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
RouteLimit	Configure the maximum number of routes that can be received from the peers	Data Structure	Include: <ul style="list-style-type: none"> Number Percentage AlertOnly Discard Reconnect 	N/A
Number	Number of prefixes		Unsigned integer. Value range: 1 to 4294967295	N/A
Percentage	Percentage value to trigger a warning message		Unsigned integer. Value range: 1 to 100. Default is 75	N/A
AlertOnly	Generate a log message when the route limit is exceeded		Enumeration. <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
Discard	Discard routes received after the route limit is exceeded		Enumeration. <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
Reconnect	Reconnect time in seconds		Unsigned integer. Value range: 1 to 65535	N/A

BGP/Neighbors

This table contains BGP neighbor information.

XML structure

```

<BGP>
  <Neighbors>
    <Neighbor>
      <Name></Name>
      <VRF></VRF>
      <Family></Family>
      <SessAF></SessAF>
      <IpAddress></IpAddress>
    
```

```

<Mask></Mask>
<RtPolicyImport></RtPolicyImport>
<RtPolicyExport></RtPolicyExport>
<AllowAsLoop></AllowAsLoop>
<ReflectClient></ReflectClient>
<NextHopInvariable></NextHopInvariable>
<NextHopLocal></NextHopLocal>
<RouterMacLocal></RouterMacLocal>
<AdvertiseCommunity></AdvertiseCommunity>
<RouteLimit>
  <Number></Number>
  <Percentage></Percentage>
  <AlertOnly></AlertOnly>
  <Discard></Discard>
  <Reconnect></Reconnect>
</RouteLimit>
</Neighbor>
</Neighbors>
</BGP>

```

Table description

Item	Description
Feature name	BGP
Table name	Neighbors
Table type	Multi-instance table
Row name	Neighbor
Restrictions	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name	Index	String. Length: 0 to 31 characters.	An empty string indicates the default BGP process.
VRF	VRF name	Index	String. Length: 0 to 31 characters.	An empty string indicates the public network.
Family	Address Family Identifier of Neighbor	Index	Enumeration: <ul style="list-style-type: none"> 1—IPv4 Unicast. 2—IPv4 Multicast. 3—MDT 4—VPNv4 5—IPv6 Unicast 6—IPv6 Multicast. 7—VPNv6 8—L2VPN 9—L2VPN EVPN 10—Link-State 	N/A
SessAF	Address family of session	Index	Enumeration: <ul style="list-style-type: none"> 1—IPv4. 2—IPv6. 	N/A
IpAddress	Address of session	Index	String,IPv4 address string or IPv6 address string.	Example: 1.1.1.1 or 1::1.
Mask	Mask of session address	Index	Unsigned integer. Value range: 0 to 128,or 255	For non-dynamic peers, this is 255.For IPv4 dynamic peers,this is 0 to 32.For IPv6 dynamic peers, this is 0 to 128.
RtPolicyImport	Import Route-Policy for Neighbor		String. Length: 1 to 63 characters.	N/A
RtPolicyExport	Export Route-Policy for Neighbor		String. Length: 1 to 63 characters.	N/A
AllowAsLoop	allow a local AS number to exist in the AS_PATH attribute of routes		Unsigned integer. Value range: 1 to 10	N/A
ReflectClient	Configure the device as a route reflector and specify a peer or peer group as a client		Enumeration. <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
NextHopInvariable	Send original next hop for routes advertised to the peer		Enumeration. <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
NextHopLocal	Specify local address as the next hop of routes advertised to the peers		Enumeration. <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	Next-hop-local conflict with next-hop-invariable.
RouterMacLocal	Specify local MAC as the router MAC of routes advertised to and received from the peers		Enumeration. <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
AdvertiseCommunity	Send community attribute to the peers		Enumeration. <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
RouteLimit	Configure the maximum number of routes that can be received from the peers	Data Structure	Include: <ul style="list-style-type: none"> Number Percentage AlertOnly Discard Reconnect 	N/A
Number	Number of prefixes		Unsigned integer. Value range: 1 to 4294967295	N/A
Percentage	Percentage value to trigger a warning message		Unsigned integer. Value range: 1 to 100. Default is 75	N/A
AlertOnly	Generate a log message when the route limit is exceeded		Enumeration. <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
Discard	Discard routes received after the route limit is exceeded		Enumeration. <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
Reconnect	Reconnect time in seconds		Unsigned integer. Value range: 1 to 65535	N/A

BGP/Redistributes

This table contains BGP redistribute information.

XML structure

```
<BGP>
  <Redistributes>
    <Redist>
      <Name></Name>
      <VRF></VRF>
      <Family></Family>
      <Protocol></Protocol>
      <RedistName></RedistName>
      <AllowDirect></AllowDirect>
      <Med></Med>
      <RoutePolicy></RoutePolicy>
    </Redist>
  </Redistributes>
</BGP>
```

Table description

Item	Description
Feature name	BGP
Table name	Redistributes
Table type	Multi-instance table
Row name	Redist
Restrictions	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name	Index	String. Length: 0 to 31 characters.	An empty string indicates the default BGP process.
VRF	VRF name	Index	String. Length: 0 to 31 characters.	An empty string indicates the public network.
Family	Address Family Identifier	Index	Enumeration: <ul style="list-style-type: none">• 1—IPv4 Unicast.• 2—IPv4 Multicast.• 5—IPv6 Unicast• 6—IPv6 Multicast.	N/A
Protocol	Protocol name	Index	Enumeration: <ul style="list-style-type: none">• 1—Direct.• 2—Static.• 3—RIP• 4—OSPF• 5—ISIS	N/A
RedistName	Redistributed process name	Index	String. Length: 0 to 31 characters.	It must be empty when the Protocol column is Direct, Static.
AllowDirect	Include direct routes.		Enumeration: <ul style="list-style-type: none">• 0—Disable.• 1—Enable.	N/A
Med	Value of the MED.		Unsigned integer. Value range: 0 to 4294967295	N/A
RoutePolicy	Name of the routing policy.		String. Length: 1 to 63 characters.	N/A

BGP/SessionCounts

This table contains session statistics.

XML structure

```
<BGP>
  <SessionCounts>
    <SessionCount>
      <Name></Name>
    <VRF></VRF>
  </SessionCounts>
</BGP>
```

```

    <State></State>
    <Count></Count>
  </SessionCount>
</SessionCounts>
</BGP>

```

Table description

Item	Description
Feature name	BGP
Table name	SessionCounts
Table type	Multi-instance table
Row name	SessionCount
Restrictions	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name	Index	String. Length: 0 to 31 characters.	An empty string indicates the default BGP process.
VRF	VRF name	Index	String. Length: 0 to 31 characters.	An empty string indicates the public network.
State	Session state	Index	Enumeration: <ul style="list-style-type: none"> • 0—Idle • 1—Connect • 2—Active • 3—Opensent • 4—Openconfirm • 5—Established 	Established state means that the BGP session is established, but whether the address families are negotiated is unknown.
Count	Total number of sessions		Unsigned integer. Value range: 0 to 4294967295	N/A

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BufferMonitor

BufferMonitor/GlobalConfigurations

This table is used to configure the global configurations for buffer monitor.

XML structure

```
<BufferMonitor>
  <GlobalConfigurations>
    <DropAlarmEnable></DropAlarmEnable>
    <DropAlarmInterval></DropAlarmInterval>
    <IngressAlarmEnable></IngressAlarmEnable>
    <IngressAlarmInterval></IngressAlarmInterval>
    <EgressAlarmEnable></EgressAlarmEnable>
    <EgressAlarmInterval></EgressAlarmInterval>
    <HeadroomAlarmEnable></HeadroomAlarmEnable>
    <HeadroomAlarmInterval></HeadroomAlarmInterval>
  </GlobalConfigurations>
</BufferMonitor>
```

Table description

Item	Description
Feature name	BufferMonitor
Table name	GlobalConfigurations
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	None

Columns

Column name	Column description	Column type	Data type and restrictions
DropAlarmEnable	Drop alarm enable status	N/A	Enumeration: 1 ENABLE. 2 DISABLE.
DropAlarmInterval	Drop alarm suppression interval.	N/A	Unsigned integer. Value range: 0 to 60.

Column name	Column description	Column type	Data type and restrictions
IngressAlarmEnable	Ingress threshold alarm enable status	N/A	Enumeration: 1 ENABLE. 2 DISABLE.
IngressAlarmInterval	Ingress threshold alarm suppression interval.	N/A	Unsigned integer. Value range: 0 to 60.
EgressAlarmEnable	Egress threshold alarm enable status	N/A	Enumeration: 1 ENABLE. 2 DISABLE.
EgressAlarmInterval	Egress threshold alarm suppression interval.	N/A	Unsigned integer. Value range: 0 to 60.
HeadroomAlarmEnable	Headroom threshold alarm enable status	N/A	Enumeration: 1 ENABLE. 2 DISABLE.
HeadroomAlarmInterval	Headroom threshold alarm suppression interval.	N/A	Unsigned integer. Value range: 0 to 60.

BufferMonitor/BoardConfigurations

This table is used to configure the node's configuration for buffer monitor.

XML structure

```

<BufferMonitor>
  <BoardConfigurations>
    <BoardConfiguration>
      <Chassis></Chassis>
      <Slot></Slot>
      <CPUID></CPUID>
      <HeadroomThreshold></HeadroomThreshold>
    </BoardConfiguration>
  </BoardConfigurations>
</BufferMonitor>

```

Table description

Item	Description
Feature name	BufferMonitor
Table name	BoardConfigurations
Table type	Multi-instance table
Row name	BoardConfiguration
Restrictions	None

Item	Description
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
Chassis	ID of the member where the entity resides	Index	Unsigned integer. Value range: 0 to 65535.
Slot	Slot ID of the entity	Index	Unsigned integer. Value range: 0 to 65535.
CPUID	CPU ID	Index	Unsigned integer. Value range: 0 to 7.
HeadroomThreshold	Headroom threshold in ratio.	N/A	Unsigned integer. Value range: 1 to 100.

BufferMonitor/BoardQueueConfigurations

This table is used to configurate the queue of node for buffer monitor.

XML structure

```

<BufferMonitor>
  <BoardQueueConfigurations>
    <BoardQueueConfiguration>
      <Chassis></Chassis>
      <Slot></Slot>
      <CPUID></CPUID>
      <QueueIndex></QueueIndex>
      <IngressThreshold></IngressThreshold>
      <EgressThreshold></EgressThreshold>
    </BoardQueueConfiguration>
  </BoardQueueConfigurations>
</BufferMonitor>

```

Table description

Item	Description
Feature name	BufferMonitor
Table name	BoardQueueConfigurations
Table type	Multi-instance table
Row name	BoardQueueConfiguration
Restrictions	None

Item	Description
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
Chassis	ID of the member where the entity resides	Index	Unsigned integer. Value range: 0 to 65535.
Slot	Slot ID of the entity	Index	Unsigned integer. Value range: 0 to 65535.
CPUID	CPU ID	Index	Unsigned integer. Value range: 0 to 7.
QueueIndex	Queue index	Index	Unsigned integer. Value range: 0 to 7.
IngressThreshold	Ingress threshold in ratio.	N/A	Unsigned integer. Value range: 1 to 100.
EgressThreshold	Egress threshold in ratio.	N/A	Unsigned integer. Value range: 1 to 100.

BufferMonitor/PortQueueConfigurations

This table is used to configure the queue of interface for buffer monitor..

XML structure

```

<BufferMonitor>
  <PortQueueConfigurations>
    <PortQueueConfiguration>
      <IfIndex></IfIndex>
      <QueueIndex></QueueIndex>
      <IngressThreshold></IngressThreshold>
      <EgressThreshold></EgressThreshold>
      <HeadroomThreshold></HeadroomThreshold>
    </PortQueueConfiguration>
  </PortQueueConfigurations>
</BufferMonitor>

```

Table description

Item	Description
Feature name	BufferMonitor
Table name	PortQueueConfigurations

Item	Description
Table type	Multi-instance table
Row name	PortQueConfiguration
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index	Index	Unsigned integer.
QueIndex	Queue index	Index	Unsigned integer. Value range: 0 to 7.
IngressThreshold	Ingress threshold in ratio.	N/A	Unsigned integer. Value range: 1 to 100.
EgressThreshold	Egress threshold in ratio.	N/A	Unsigned integer. Value range: 1 to 100.
HeadroomThreshold	Headroom threshold in ratio.	N/A	Unsigned integer. Value range: 1 to 100.

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Columns	6

BufferMonitor

BufferMonitor/Statistics

This table is used to get statistics of node for buffer monitor.

XML structure

```
<BufferMonitor>
  <Statistics>
    <Statistic>
      <Chassis></Chassis>
      <Slot></Slot>
      <CPUID></CPUID>
      <DataIndex></DataIndex>
      <PortNumber></PortNumber>
      <QueNumber></QueNumber>
      <UnitLen></UnitLen>
      <Data></Data>
      <CurrentPortNumber></CurrentPortNumber>
    </Statistic>
  </Statistics>
</BufferMonitor>
```

Table description

Item	Description
Feature name	BufferMonitor
Table name	Statistics
Table type	Multi-instance table
Row name	Statistic
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Chassis	ID of the member where the entity resides	Index	Unsigned integer. Value range: 0 to 65535.	Chassis
Slot	Slot ID of the entity	Index	Unsigned integer. Value range: 0 to 65535.	Slot

Column name	Column description	Column type	Data type and restrictions	Remarks
CPUID	CPU ID	Index	Unsigned integer. Value range: 0 to 7.	CPUID
DataIndex	Data index of statistics	Index	Unsigned integer.	
PortNumber	Port numbers of the node.	N/A	Unsigned integer.	
QueNumber	Queue numbers of per port.	N/A	Unsigned integer.	
UnitLen	Statisc data length for one queue of every port	N/A	Unsigned integer.	
Data	Statics data.	Data structure	Members sort as below: <ul style="list-style-type: none"> • IfIndex (UINT32) • QueIndex (UINT32) • InQueDrops (UINT64) • OutQueDrops (UINT64) • InQuePfcCounters (UINT64) • OutQuePfcCounters (UINT64) • InQueUseCounters(UINT64) • OutQueUseCounters(UINT64) • QueHeadroomUseCounters(UINT64) • InQueUseOverRunCounters(UINT64) • OutQueUseOverRunCounters(UINT64) 	Data length is PortNumber * QueNumber * UnitLen.
CurrentPortNumber	The current port number included in current statistic information	N/A	Unsigned integer.	

BufferMonitor/GlobalConfigurations

This table is used to get the global configurations for buffer monitor.

XML structure

```

<BufferMonitor>
  <GlobalConfigurations>
    <DropAlarmEnable></DropAlarmEnable>
    <DropAlarmInterval></DropAlarmInterval>
  
```

```

<IngressAlarmEnable></IngressAlarmEnable>
<IngressAlarmInterval></IngressAlarmInterval>
<EgressAlarmEnable></EgressAlarmEnable>
<EgressAlarmInterval></EgressAlarmInterval>
<HeadroomAlarmEnable></HeadroomAlarmEnable>
<HeadroomAlarmInterval></HeadroomAlarmInterval>
</GlobalConfigurations>
</BufferMonitor>

```

Table description

Item	Description
Feature name	BufferMonitor
Table name	GlobalConfigurations
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
DropAlarmEnable	Drop alarm enable status	N/A	Enumeration: 1 ENABLE. 2.DISABLE.
DropAlarmInterval	Drop alarm suppression interval.	N/A	Unsigned integer. Value range: 0 to 60.
IngressAlarmEnable	Ingress threshold alarm enable status	N/A	Enumeration: 1 ENABLE. 2 DISABLE.
IngressAlarmInterval	Ingress threshold alarm suppression interval.	N/A	Unsigned integer. Value range: 0 to 60.
EgressAlarmEnable	Egress threshold alarm enable status	N/A	Enumeration: 1 ENABLE. 2 DISABLE.
EgressAlarmInterval	Egress threshold alarm suppression interval.	N/A	Unsigned integer. Value range: 0 to 60.
HeadroomAlarmEnable	Headroom threshold alarm enable status	N/A	Enumeration: 1 ENABLE. 2 DISABLE.
HeadroomAlarmInterval	Headroom threshold alarm	N/A	Unsigned integer. Value range: 0 to 60.

Column name	Column description	Column type	Data type and restrictions
	suppression interval.		

BufferMonitor/BoardConfigurations

The table contains node configurations for buffer monitor.

XML structure

```

<BufferMonitor>
  <BoardConfigurations>
    <BoardConfiguration>
      <Chassis></Chassis>
      <Slot></Slot>
      <CPUID></CPUID>
      <HeadroomThreshold></HeadroomThreshold>
    </BoardConfiguration>
  </BoardConfigurations>
</BufferMonitor>

```

Table description

Item	Description
Feature name	BufferMonitor
Table name	BoardConfigurations
Table type	Multi-instance table
Row name	BoardConfiguration
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Chassis	ID of the member where the entity resides	Index	Unsigned integer. Value range: 0 to 65535.
Slot	Slot ID of the entity	Index	Unsigned integer. Value range: 0 to 65535.
CPUID	CPU ID	Index	Unsigned integer. Value range: 0 to 7.
HeadroomThreshold	Headroom threshold in ratio.	N/A	Unsigned integer. Value range: 1 to 100.

BufferMonitor/BoardQueueConfigurations

The table contains the queue configuration of node for buffer monitor.

XML structure

```
<BufferMonitor>
  <BoardQueueConfigurations>
    <BoardQueueConfiguration>
      <Chassis></Chassis>
      <Slot></Slot>
      <CPUID></CPUID>
      <QueIndex></QueIndex>
      <IngressThreshold></IngressThreshold>
      <EgressThreshold></EgressThreshold>
    </BoardQueueConfiguration>
  </BoardQueueConfigurations>
</BufferMonitor>
```

Table description

Item	Description
Feature name	BufferMonitor
Table name	BoardQueueConfigurations
Table type	Multi-instance table
Row name	BoardQueueConfiguration
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
Chassis	ID of the member where the entity resides	Index	Unsigned integer. Value range: 0 to 65535.
Slot	Slot ID of the entity	Index	Unsigned integer. Value range: 0 to 65535.
CPUID	CPU ID	Index	Unsigned integer. Value range: 0 to 7.
QueIndex	Queue index	Index	Unsigned integer. Value range: 0 to 7.
IngressThreshold	Ingress threshold in ratio.	N/A	Unsigned integer. Value range: 1 to 100.

Column name	Column description	Column type	Data type and restrictions
EgressThreshold	Egress threshold in ratio.	N/A	Unsigned integer. Value range: 1 to 100.

BufferMonitor/PortQueueConfigurations

The table contains the queue configuration of interface for buffer monitor.

XML structure

```

<BufferMonitor>
  <PortQueueConfigurations>
    <PortQueueConfiguration>
      <IfIndex></IfIndex>
      <QueueIndex></QueueIndex>
      <IngressThreshold></IngressThreshold>
      <EgressThreshold></EgressThreshold>
      <HeadroomThreshold></HeadroomThreshold>
    </PortQueueConfiguration>
  </PortQueueConfigurations>
</BufferMonitor>

```

Table description

Item	Description
Feature name	BufferMonitor
Table name	PortQueueConfigurations
Table type	Multi-instance table
Row name	PortQueueConfiguration
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index	Index	Unsigned integer.
QueueIndex	Queue index	Index	Unsigned integer. Value range: 0 to 7.
IngressThreshold	Ingress threshold in ratio.	N/A	Unsigned integer. Value range: 1 to 100.
EgressThreshold	Egress threshold in ratio.	N/A	Unsigned integer. Value range: 1 to 100.

Column name	Column description	Column type	Data type and restrictions
HeadroomThreshold	Headroom threshold in ratio.	N/A	Unsigned integer. Value range: 1 to 100.

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BufferMonitor event stream

BoardOverrunEvent event

This event is used to report counters of board overrun threshold.

XML structure for event subscription

```
<BoardOverrunEvent>
  <BoardOverrun>
    <Chassis></Chassis>
    <Slot></Slot>
    <CPUID></CPUID>
    <AlarmType></AlarmType>
  </BoardOverrun>
</BoardOverrunEvent>
```

Example:

```
<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0">
  <create-subscription xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
    <stream>BufferMonitor</stream>
    <filter>
      <BoardOverrunEvent xmlns="http://www.h3c.com/netconf/event:1.0/BufferMonitor:1.0">
        <BoardOverrun>
          <Chassis>0</Chassis>
          <Slot>0</Slot>
          <CPUID>0</CPUID>
          <AlarmType>1</AlarmType>
        </BoardOverrun>
      </BoardOverrunEvent>
    </filter>
  </create-subscription>
</rpc>]]>]]>
```

Table description

Item	Description
Event stream name	BufferMonitor
Event name	BoardOverrunEvent
Event namespace	http://www.h3c.com/netconf/event:1.0/BufferMonitor:1.0
Support for extended query	No

Columns

Column name	Column description	Data type and restrictions	Support for extended query	Remarks
Chassis	Member ID of the member device where the entity resides	Unsigned integer. Value range: 0 to 65535.	No	N/A
Slot	Slot number of the device node	Unsigned integer. Value range: 0 to 65535.	No	N/A
CPUID	ID of the CPU.	Unsigned integer. Value range: 0 to 65535.	No	N/A
AlarmType	Alarm type.	Unsigned integer.	1—for Headroom overrun	Alarm type.

XML structure for event report

```
<BoardOverrunEvent>
  <BoardOverrun>
    <Chassis/>
    <Slot/>
    <CPUID/>
    <AlarmType/>
    <CurrentValue/>
    <CurrentRatio/>
    <Threshold/>
  </BoardOverrun>
</BoardOverrunEvent>
```

Table description

Column name	Column description	Data type and restrictions	Remarks
Chassis	Member ID of the member device where the entity resides	Unsigned integer. Value range: 0 to 65535.	N/A
Slot	Slot number of the device node	Unsigned integer. Value range: 0 to 65535.	N/A
CPUID	ID of the CPU.	Unsigned integer. Value range: 0 to 65535.	N/A
AlarmType	Alarm type.	Unsigned integer.	1—for Headroom overrun
CurrentValue	Current value.	Unsigned integer. Value range: 0 to 65535.	
CurrentRatio	Current usage ratio.	Unsigned integer. Value range: 1 to 100.	

Column name	Column description	Data type and restrictions	Remarks
Threshold	Threshold usage ratio.	Unsigned integer. Value range: 1 to 100.	

PortQueueOverrunEvent event

This event is used to report counters of interface's queue overrun threshold.

XML structure for event subscription

```
<PortQueueOverrunEvent>
  <PortQueueOverrun>
    <IfIndex></IfIndex>
    <QueueIndex></QueueIndex>
    <AlarmType></AlarmType>
  </PortQueueOverrun>
</PortQueueOverrunEvent>
```

Example:

```
<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0">
  <create-subscription xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
    <stream>BufferMonitor</stream>
    <filter>
      <PortQueueOverrunEvent xmlns="http://www.h3c.com/netconf/event:1.0/BufferMonitor:1.0">
        <PortQueueOverrun>
          <IfIndex>20</IfIndex>
          <QueueIndex>1</QueueIndex>
          <AlarmType>2</AlarmType>
        </PortQueueOverrun>
      </PortQueueOverrunEvent>
    </filter>
  </create-subscription>
</rpc>]]>]]>
```

Table description

Item	Description
Event stream name	BufferMonitor
Event name	PortQueueOverrunEvent
Event namespace	http://www.h3c.com/netconf/event:1.0/BufferMonitor:1.0
Support for extended query	No

Columns

Column name	Column description	Data type and restrictions	Support for extended query	Remarks
IfIndex	Interface index	Unsigned integer.	No	N/A
QueIndex	Queue index	Unsigned integer.	No	N/A
AlarmType	Alarm type.	Unsigned integer.	No	1— for ingress overrun 2— for egress overrun 3— for headroom overrun

XML structure for event report

```
<QueueOverrunEvent>  
  <IfIndex/>  
  <QueIndex/>  
  <AlarmType/>  
  <CurrentValue/>  
  <CurrentRatio/>  
  <Threshold/>  
</QueueOverrunEvent>
```

Table description

Column name	Column description	Data type and restrictions	Remarks
IfIndex	Interface index	Unsigned integer.	N/A
QueIndex	Queue index	Unsigned integer.	N/A
AlarmType	Alarm type.	Unsigned integer.	1— for ingress overrun 2— for egress overrun 3— for headroom overrun
CurrentValue	Current value.	Unsigned integer.	
CurrentRatio	Current usage ratio.	Unsigned integer. Value range: 1 to 100.	
Threshold	Threshold usage ratio.	Unsigned integer. Value range: 1 to 100.	

PortQueDropEvent event

This event is used to report counters of interface's queue drop threshold.

XML structure for event subscription

```
<PortQueDropEvent>
```

```

<PortQueueDrop>
  <IfIndex></IfIndex>
  <QueueIndex></QueueIndex>
  <AlarmType></AlarmType>
</PortQueueDrop>
</PortQueueDropEvent>

```

Example:

```

<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0">
  <create-subscription xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
    <stream>BufferMonitor</stream>
    <filter>
      <PortQueueDropEvent xmlns="http://www.h3c.com/netconf/event:1.0/BufferMonitor:1.0">
        <PortQueueDrop>
          <IfIndex>20</IfIndex>
          <QueueIndex>1</QueueIndex>
          <AlarmType>2</AlarmType>
        </PortQueueDrop>
      </PortQueueDropEvent>
    </filter>
  </create-subscription>
</rpc>]]>]]>

```

Table description

Item	Description
Event stream name	BufferMonitor
Event name	PortQueueDropEvent
Event namespace	http://www.h3c.com/netconf/event:1.0/BufferMonitor:1.0
Support for extended query	No

Columns

Column name	Column description	Data type and restrictions	Support for extended query	Remarks
IfIndex	Interface index	Unsigned integer.	No	N/A
QueueIndex	Queue index	Unsigned integer.	No	N/A
AlarmType	Alarm type.	Unsigned integer.	No	1— for ingress drops 2— for egress drops

XML structure for event report

```

<QueueDropEvent>
  <IfIndex/>
  <QueueIndex/>
  <AlarmType/>

```

```
<DropCounters/>  
</QueueDropEvent>
```

Table description

Column name	Column description	Data type and restrictions	Remarks
IfIndex	Interface index	Unsigned integer.	N/A
QueIndex	Queue indexs	Unsigned integer.	N/A
AlarmType	Alarm type.	Unsigned integer.	1— for ingress drops 2— for egress drops
DropCounters	Current value.	Unsigned integer.	

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BYOD

BYOD/DhcpOption55Rules

BYOD DHCP Option 55 rule table for endpoint identification.

XML structure

```
<BYOD>
  <DhcpOption55Rules>
    <DhcpOption55Rule>
      <DhcpOption55Value></DhcpOption55Value>
      <DeviceType></DeviceType>
    </DhcpOption55Rule>
  </DhcpOption55Rules>
</BYOD>
```

Table description

Item	Description
Feature name	BYOD
Table name	DhcpOption55Rules
Table type	Multi-instance table
Row name	DhcpOption55Rule
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
DhcpOption55Value	DHCP Option 55 value.	Index	String. Length: 1 to 255 characters.
DeviceType	Device type.	N/A	String. Length: 1 to 127 characters.

BYOD/UserAgentRules

BYOD HTTP user agent rule table for endpoint identification.

XML structure

```
<BYOD>
  <UserAgentRules>
    <UserAgentRule>
      <UserAgentValue></UserAgentValue>
      <DeviceType></DeviceType>
    </UserAgentRule>
  </UserAgentRules>
</BYOD>
```

Table description

Item	Description
Feature name	BYOD
Table name	UserAgentRules
Table type	Multi-instance table
Row name	UserAgentRule
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
UserAgentValue	HTTP user agent value.	Index	String. Length: 1 to 255 characters.
DeviceType	Device type.	N/A	String. Length: 1 to 127 characters.

BYOD/MacRules

BYOD MAC address rule table for endpoint identification.

XML structure

```
<BYOD>
  <MacRules>
    <MacRule>
      <MacAddr></MacAddr>
      <MacMask></MacMask>
      <DeviceType></DeviceType>
    </MacRule>
  </MacRules>
</BYOD>
```

```

    </MacRule>
  </MacRules>
</BYOD>

```

Table description

Item	Description
Feature name	BYOD
Table name	MacRules
Table type	Multi-instance table
Row name	MacRule
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
MacAddr	MAC address.	Index	String, six groups of two hexadecimal digits, hyphen-separated. Length: 1 to 17 characters.	For example, 00-0c-af-e3-5d-c0.
MacMask	MAC address mask.	Index	String, six groups of two hexadecimal digits, hyphen-separated. Length: 1 to 17 characters.	The significant bits must be consecutive Fs. For example, ff-ff-ff-00-00-00.
DeviceType	Device type.	N/A	String. Length: 1 to 127 characters.	N/A

BYOD/AuthorizationInfos

BYOD authorization information table.

XML structure

```

<BYOD>
  <AuthorizationInfos>
    <AuthorizationInfo>
      <UserGroupName></UserGroupName>
      <DeviceType></DeviceType>
      <AuthorizationData>
        <AclNumber></AclNumber>
      </AuthorizationData>
    </AuthorizationInfo>
  </AuthorizationInfos>
</BYOD>

```

```

    <CallbackNumber></CallbackNumber>
    <SessTimeout></SessTimeout>
    <IdleTimeout></IdleTimeout>
    <PrimaryDNSServer></PrimaryDNSServer>
    <PrimaryDNSIPv6Server></PrimaryDNSIPv6Server>
    <SecondaryDNSServer></SecondaryDNSServer>
    <SecondaryDNSIPv6Server></SecondaryDNSIPv6Server>
    <URL></URL>
    <UserProfile></UserProfile>
    <VLANID></VLANID>
    <VRF></VRF>
    <IpPool></IpPool>
    <IPv6Pool></IPv6Pool>
    <SSLVPNPolicy></SSLVPNPolicy>
  </AuthorizationData>
  <AuthorizationIPv6PrefixInfo>
    <IPv6Address></IPv6Address>
    <IPv6PrefixLength></IPv6PrefixLength>
  </AuthorizationIPv6PrefixInfo>
</AuthorizationInfo>
</AuthorizationInfos>
</BYOD>

```

Table description

Item	Description
Feature name	BYOD
Table name	AuthorizationInfos
Table type	Multi-instance table
Row name	AuthorizationInfo
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
UserGroupName	User group name.	Index	String. Length: 1 to 32 characters.	N/A
DeviceType	Device type.	Index	String. Length: 1 to 127 characters.	N/A
Authorization Data	Authorization information.	Data structure	Members include: <ul style="list-style-type: none"> AclNumber. CallbackNumber. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> • FTPHomeDir. • IdleTimeout. • PrimaryDNSServer. • SecondaryDNSServer. • URL. • UserProfile. • VLANID. • VRF. • IpPool. • Ipv6Pool. 	
AcINumber	ACL number.	N/A	Unsigned integer. Value range: 2000 to 5999.	N/A
CallbackNumber	Callback number.	N/A	String. Length: 1 to 64 characters.	N/A
SessTimeout	Session timeout.	N/A	Unsigned integer. Value range: 1 to 1440, in minutes.	N/A
IdleTimeout	Idle timeout timer.	N/A	Unsigned integer. Value range: 1 to 120, in minutes.	N/A
PrimaryDNSServer	Primary DNS server.	N/A	IPv4: String, dotted decimal notation.	N/A
PrimaryDNSIpv6Server	Primary DNS Ipv6 server.	N/A	IPv6: Hexadecimal string, colon-separated.	
SecondaryDNSServer	Secondary DNS server.	N/A	IPv4: String, dotted decimal notation.	N/A
SecondaryDNSIpv6Server	Secondary DNS Ipv6 Server.	N/A	IPv6: Hexadecimal string, colon-separated.	N/A
URL	URL information.	N/A	String. Length: 1 to 255 characters.	N/A
UserProfile	User profile name.	N/A	String. Length: 1 to 32 characters.	The name can contain digits, letters, and underscores (_), but the name can't start with a digit.
VLANID	ID of the authorization VLAN.	N/A	Unsigned integer. Value range: 1 to 4094.	N/A
VRF	Name of the authorization VPN instance.	N/A	String. Length: 1 to 31 characters.	N/A
IpPool	Available IP pool name.	N/A	String. Length: 1 to 31 characters.	N/A
Ipv6Pool	Available IPv6 pool name.	N/A	String. Length: 1 to 63 characters.	N/A
SSLVPNPolic	Name of the SSL	N/A	String, case-insensitive.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
y	VPN policy assigned to the local user.		Length: 1 to 31 characters.	
AuthorizationIpv6PrefixInfo	Available IPv6 prefix.	Data structure	Members include: <ul style="list-style-type: none"> Ipv6Address. Ipv6PrefixLength. 	N/A
Ipv6Address	IPv6 address.	N/A	Hexadecimal string, colon-separated.	For example, 2003:10::1:1. This column is effective only when the Ipv6PrefixLength column is set.
Ipv6PrefixLength	IPv6 prefix length.	N/A	Unsigned integer. Value range: 1 to 128.	This column is effective only when the Ipv6Address column is set.

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BYOD

BYOD/DhcpOption55Rules

BYOD DHCP Option 55 rule table for endpoint identification.

XML structure

```
<BYOD>
  <DhcpOption55Rules>
    <DhcpOption55Rule>
      <DhcpOption55Value></DhcpOption55Value>
      <DeviceType></DeviceType>
      <RuleClass></RuleClass>
    </DhcpOption55Rule>
  </DhcpOption55Rules>
</BYOD>
```

Table description

Item	Description
Feature name	BYOD
Table name	DhcpOption55Rules
Table type	Multi-instance table
Row name	DhcpOption55Rule
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
DhcpOption55Value	DHCP Option 55 value.	Index	String. Length: 1 to 255 characters.
DeviceType	Device type.	N/A	String. Length: 0 to 127 characters.
RuleClass	Rule class.	N/A	Boolean: <ul style="list-style-type: none">• True.• False.

BYOD/UserAgentRules

BYOD HTTP user agent rule table for endpoint identification.

XML structure

```
< BYOD>
  <UserAgentRules>
    <UserAgentRule>
      <UserAgentValue></UserAgentValue>
      <DeviceType></DeviceType>
      <RuleClass></RuleClass>
    </UserAgentRule>
  </UserAgentRules>
</BYOD>
```

Table description

Item	Description
Feature name	BYOD
Table name	UserAgentRules
Table type	Multi-instance table
Row name	UserAgentRule
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
UserAgentValue	HTTP user agent value.	Index	String. Length: 1 to 255 characters.
DeviceType	Device type.	N/A	String. Length: 1 to 127 characters.
RuleClass	Rule class.	N/A	Boolean: <ul style="list-style-type: none">• True.• False.

BYOD/MacRules

BYOD MAC address rule table for endpoint identification.

XML structure

```
< BYOD>
  <MacRules>
    <MacRule>
      <MacAddr></MacAddr>
      <MacMask></MacMask>
      <DeviceType></DeviceType>
      <RuleClass></RuleClass>
    </MacRule>
  </MacRules>
</BYOD>
```

Table description

Item	Description
Feature name	BYOD
Table name	MacRules
Table type	Multi-instance table
Row name	MacRule
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
MacAddr	MAC address.	Index	String, six groups of two hexadecimal digits, hyphen-separated. Length: 1 to 17 characters.	For example, 00-0c-af-e3-5d-c0.
MacMask	MAC address mask.	Index	String, six groups of two hexadecimal digits, hyphen-separated. Length: 1 to 17 characters.	The significant bits must be consecutive Fs. For example, ff-ff-ff-00-00-00.
DeviceType	Device type.	N/A	String. Length: 1 to 127 characters.	N/A
RuleClass	Rule class.	N/A	Boolean: <ul style="list-style-type: none">• True.• False.	N/A

BYOD/AuthorizationInfos

BYOD authorization information table.

XML structure

```
<BYOD>
  <AuthorizationInfos>
    <AuthorizationInfo>
      <UserGroupName></UserGroupName>
      <DeviceType></DeviceType>
      <AuthorizationData>
        <AclNumber></AclNumber>
        <CallbackNumber></CallbackNumber>
        <SessTimeout></SessTimeout>
        <IdleTimeout></IdleTimeout>
        <PrimaryDNSServer></PrimaryDNSServer>
        <PrimaryDNSIpv6Server></PrimaryDNSIpv6Server>
        <SecondaryDNSServer></SecondaryDNSServer>
        <SecondaryDNSIpv6Server></SecondaryDNSIpv6Server>
        <URL></URL>
        <UserProfile></UserProfile>
        <VLANID></VLANID>
        <VRF></VRF>
        <IpPool></IpPool>
        <Ipv6Pool></Ipv6Pool>
        <SSLVPNPolicy></SSLVPNPolicy>
      </AuthorizationData>
      <AuthorizationIpv6PrefixInfo>
        <Ipv6Address></Ipv6Address>
        <Ipv6PrefixLength></Ipv6PrefixLength>
      </AuthorizationIpv6PrefixInfo>
    </AuthorizationInfo>
  </AuthorizationInfos>
</BYOD>
```

Table description

Item	Description
Feature name	BYOD
Table name	AuthorizationInfos
Table type	Multi-instance table

Row name	AuthorizationInfo
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
UserGroupName	User group name.	Index	String. Length: 1 to 32 characters.	N/A
DeviceType	Device type.	Index	String. Length: 1 to 127 characters.	N/A
Authorization Data	Authorization information.	Data structure	Members include: <ul style="list-style-type: none"> • AclNumber. • CallbackNumber. • FTPHomeDir. • IdleTimeout. • PrimaryDNSServer. • SecondaryDNSServer. • URL. • UserProfile. • VLANID. • VRF. • IpPool. • Ipv6Pool. 	N/A
AclNumber	ACL number.	N/A	Unsigned integer. Value range: 2000 to 5999.	N/A
CallbackNumber	Callback number.	N/A	String. Length: 1 to 64 characters.	N/A
SessTimeout	Session timeout.	N/A	Unsigned integer. Value range: 1 to 1440, in minutes.	N/A
IdleTimeout	Idle timeout timer.	N/A	Unsigned integer. Value range: 1 to 120, in minutes.	N/A
PrimaryDNSServer	Primary DNS server.	N/A	IPv4: String, dotted decimal notation.	N/A
PrimaryDNSIpv6Server	Primary DNS Ipv6 server.	N/A	IPv6: Hexadecimal string, colon-separated.	N/A
SecondaryDNSServer	Secondary DNS server.	N/A	IPv4: String, dotted decimal notation.	N/A
SecondaryDNSIpv6Server	Secondary DNS Ipv6 server.	N/A	Ipv6: Hexadecimal string, colon-separated.	N/A
URL	URL information.	N/A	String. Length: 1 to 255 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
UserProfile	User profile name.	N/A	String. Length: 1 to 32 characters.	The name can contain digits, letters, and underscores (_), but the name can't start with a digit.
VLANID	ID of the authorization VLAN.	N/A	Unsigned integer. Value range: 1 to 4094.	N/A
VRF	Name of the authorization VPN instance.	N/A	String. Length: 1 to 31 characters.	N/A
IpPool	Available IP pool name.	N/A	String. Length: 1 to 31 characters.	N/A
Ipv6Pool	Available IPv6 pool name.	N/A	String. Length: 1 to 63 characters.	N/A
SSLVPNPolicy	Name of the SSL VPN policy assigned to the local user.	N/A	String, case-insensitive. Length: 1 to 31 characters.	N/A
AuthorizationIpv6PrefixInfo	Available IPv6 prefix.	Data structure	Members include: <ul style="list-style-type: none"> Ipv6Address. Ipv6PrefixLength. 	N/A
Ipv6Address	IPv6 address.	N/A	Hexadecimal string, colon-separated.	For example, 2003:10::1:1. This column is effective only when the Ipv6PrefixLength column is set.
Ipv6PrefixLength	IPv6 prefix length.	N/A	Unsigned integer. Value range: 1 to 128.	This column is effective only when the Ipv6Address column is set.

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Collaboration

Collaboration/Global

This table contains Collaboration group global information.

XML structure

```
<Collaboration>
  <Global>
    <Enable></Enable>
  </Global>
</Collaboration>
```

Table description

Item	Description
Feature name	Collaboration
Table name	Global
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
Enable	Whether Collaboration group is enabled globally.	N/A	Boolean: <ul style="list-style-type: none">true—Enabled. (default).false—Disabled.

Collaboration/Groups

This table contains information about Collaboration group.

XML structure

```
<Collaboration>
  <Groups>
    <Group>
```

```

        <ID></ID>
        <UpDelay></UpDelay>
    </Group>
</Groups>
</Collaboration>

```

Table description

Item	Description
Feature name	Collaboration
Table name	Groups
Table type	Multi-instance table
Row name	Group
Restrictions	The maximum collaboration group ID varies by device model.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ID	Collaboration group ID.	Index	Unsigned integer Length: 32 bits.	The maximum collaboration group ID varies by device model.
UpDelay	Updelay timer in seconds	N/A	Unsigned integer. <ul style="list-style-type: none"> Value range: 0 to 3600. Default: 0. 	The up delay is the time that the interfaces in the collaboration group wait before they come up when the device restarts.

Collaboration/Interfaces

This table contains information about port of Collaboration group.

XML structure

```

<Collaboration>
  <Interfaces>
    <Interface>
      <IfIndex></IfIndex>
      <ID></ID>
    </Interface>
  </Interfaces>
</Collaboration>

```


Table description

Item	Description
Feature name	Collaboration
Table name	Interfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports Layer 2/3 Ethernet interface, Layer 2/3 aggregate interface
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	In certain versions, this column supports interface name-to-index conversion. See the product xsd before use. See Table 1 for the format.
ID	Collaboration group ID.	N/A	Unsigned integer. • Default: 0.	The maximum collaboration group ID varies by device model..

Table 1 Interface operation status

Value	Operation status	Remarks
1	Single interface index	<IfIndex>1</IfIndex>
2	Single interface name	<IfIndex>GigabitEthernet 0/0/2</IfIndex>
3	Multiple interface names	<IfIndex>GigabitEthernet 0/0/2 to GigabitEthernet 0/0/3, GigabitEthernet 1/0/2 to GigabitEthernet 1/0/3, serial0/0/2</IfIndex>
4	Interface range name	<IfIndex>RangeName</IfIndex>
5	Mixture of interface range name and interface names	<IfIndex>RangeName ,GigabitEthernet 0/0/2 to GigabitEthernet 0/0/3, GigabitEthernet 1/0/2 to GigabitEthernet 1/0/3, serial0/0/2</IfIndex>

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Columns	2
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XML structure	3
Table description	3
Columns	3

Collaboration

Collaboration/Global

This table contains Collaboration group global information.

XML structure

```
<Collaboration>
  <Global>
    <Enable></Enable>
    <MaxGroupId></MaxGroupId>
  </Global>
</Collaboration>
```

Table description

Item	Description
Feature name	Collaboration
Table name	Global
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Enable	Whether Collaboration group is enabled globally.	N/A	Boolean: <ul style="list-style-type: none">true—Enabled.false—Disabled.
MaxGroupId	The max Collaboration group id	N/A	Unsigned integer Length: 32 bits.

Collaboration/Groups

This table contains information about Collaboration group.

XML structure

```
<Collaboration>
  <Groups>
```

```

<Group>
  <ID></ID>
  <Status></Status>
  <UpDelay></UpDelay>
  <LastUpTime></LastUpTime>
  <LastDownTime></LastDownTime>
</Group>
</Groups>
</Collaboration>

```

Table description

Item	Description
Feature name	Collaboration
Table name	Groups
Table type	Multi-instance table
Row name	Group
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ID	Collaboration group ID.	Index	Unsigned integer Length: 32 bits.	The maximum collaboration group ID varies by device model.
Status	The status of Collaboration group	N/A	Unsigned integer. Length: 8 bits. Enumeration: <ul style="list-style-type: none"> 0—N/A. 1—DOWN. 2—UP 3—UP-Pending. 	N/A
UpDelay	Updelay timer in seconds	N/A	Unsigned integer. <ul style="list-style-type: none"> Value range: 0 to 3600. Default: 0. 	The up delay is the time that the interfaces in the collaboration group wait before they come up when the device restarts.
LastUpTime	Group last up time	N/A	DateTime.	N/A
LastDownTime	Group last down time	N/A	DateTime.	N/A

Collaboration/Interfaces

This table contains information about port of Collaboration group.

XML structure

```
<Collaboration>
  <Interfaces>
    <Interface>
      <IfIndex></IfIndex>
      <ID></ID>
      <Status></Status>
    </Interface>
  </Interfaces>
</Collaboration>
```

Table description

Item	Description
Feature name	Collaboration
Table name	Interfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	In certain versions, this column supports interface name-to-index conversion. See the product xsd before use. See Table 1 for the format.
ID	Collaboration group ID.	N/A	Unsigned integer Length: 32 bits.	The maximum collaboration group ID varies by device model.
Status	The status of ports	N/A	Unsigned integer. Length: 8 bits. Enumeration: <ul style="list-style-type: none">• 0—UP.• 1—DOWN.• 2—Collaboration-down• 3—Not available	

Table 1 Interface operation status

Value	Operation status	Remarks
1	Single interface index	<IfIndex>1</IfIndex>
2	Single interface name	<IfIndex>GigabitEthernet 0/0/2</IfIndex>
3	Multiple interface names	<IfIndex>GigabitEthernet 0/0/2 to GigabitEthernet 0/0/3, GigabitEthernet 1/0/2 to GigabitEthernet 1/0/3, serial0/0/2</IfIndex>
4	Interface range name	<IfIndex>RangeName</IfIndex>
5	Mixture of interface range name and interface names	<IfIndex>RangeName ,GigabitEthernet 0/0/2 to GigabitEthernet 0/0/3, GigabitEthernet 1/0/2 to GigabitEthernet 1/0/3, serial0/0/2</IfIndex>

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XML structure for event report	2

Configuration event stream

SaveEvent event

This event is used to report configuration saving operations.

XML structure for event subscription

```
<SaveEvent>
</SaveEvent>
```

Example:

```
<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"
xmlns:xs="http://www.h3c.com/netconf/base:1.0">
  <create-subscription xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
    <stream>Configuration</stream>
    <filter type="subtree">
      <SaveEvent xmlns="http://www.h3c.com/netconf/event:1.0/Configuration:1.0">
      </SaveEvent>
    </filter>
  </create-subscription>
</rpc>
```

Table description

Item	Description
Event stream name	Configuration
Event name	SaveEvent
Event namespace	http://www.h3c.com/netconf/event:1.0/Configuration:1.0
Support for extended query	No

XML structure for event report

```
<SaveEvent>
  <FileName>
  </FileName>
</SaveEvent>
```

Example:

```
<notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
  <eventTime>2016-07-21T09:10:51</eventTime>
  <SaveEvent xmlns="http://www.h3c.com/netconf/event:1.0/Configuration:1.0">
    <FileName>flash:/123.cfg</FileName>
  </SaveEvent>
</notification>
```


Columns

Column name	Column description	Data type and restrictions
FileName	File path and name	String. Length: 1 to 511 characters.

ConfigurationEvent event

This event is used to report configuration change information.

XML structure for event subscription

```
<ConfigurationEvent>  
</ConfigurationEvent>
```

Example:

```
<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"  
  xmlns:xs="http://www.h3c.com/netconf/base:1.0">  
  <create-subscription xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">  
    <stream>Configuration</stream>  
    <filter type="subtree">  
      <ConfigurationEvent  
xmlns="http://www.h3c.com/netconf/event:1.0/Configuration:1.0">  
        </ConfigurationEvent >  
      </filter>  
    </create-subscription>  
  </rpc>
```

Table description

Item	Description
Event stream name	Configuration
Event name	ConfigurationEvent
Event namespace	http://www.h3c.com/netconf/event:1.0/Configuration:1.0
Support for extended query	No

XML structure for event report

```
<ConfigurationEvent>  
  <User></User>  
  <IpAddress></IpAddress>  
  <ConfigSource></ConfigSource>  
  <ConfigResult></ConfigResult>  
  <Context></Context>  
</ConfigurationEvent>
```

Example:

```
<notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
```

```

<eventTime>2016-07-21T09:10:51</eventTime>
<ConfigurationEvent xmlns="http://www.h3c.com/netconf/event:1.0/Configuration:1.0">
  <User>**</User>
  <IpAddress>**</IpAddress>
  <ConfigSource>CLI</ConfigSource>
  <ConfigResult>Success</ConfigResult>
  <Context>[system]:display this</Context>
</ConfigurationEvent>
</notification>

```

Columns

Column name	Column description	Data type and restrictions	Remarks
User	User-name of the configuration operator	String. Length: 1 to 255 characters.	If the user logged in through, for example, a console port, the value of this field is **
IpAddress	IP address of the configuration operator	String. Length: 1 to 255 characters.	If the user logged in through, for example, a console port, the value of this field is **
ConfigSource	Source of the configuration	String. Length: 1 to 255 characters.	The device supports only the CLI in the current software version.
ConfigResult	Configuration result	String. Length: 1 to 255 characters.	The values include Success and Failed .
Context	Executed command and the view of the command	String. Length: 1 to 1023 characters.	N/A

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CustomLog

CustomLog/LogHost

This table contains custom log hosts information.

XML structure

```
<CustomLog>
  <LogHosts>
    <Host>
      <Address></Address>
      <VRF></VRF>
      <Port></Port>
      <OutputLog>
        <CmccSessionlog></CmccSessionlog>
        <CmccUserlog></CmccUserlog>
        <TelecomSessionlog></TelecomSessionlog>
        <TelecomUserlog></TelecomUserlog>
        <UnicomSessionlog></UnicomSessionlog>
        <UnicomUserlog></UnicomUserlog>
        <Sessionlog></Sessionlog>
        <PacketFilterlog></PacketFilterlog>
        <ATKlog></ATKlog>
        <AFTlog></AFTlog>
        <DPIDebuglog></DPIDebuglog>
        <DPIUfltlog></DPIUfltlog>
        <DPINetSharelog></DPINetSharelog>
        <SCDlog></SCDlog>
      </OutputLog>
    </Host>
  </LogHosts>
</CustomLog>
```

Table description

Item	Description
Feature name	CustomLog
Table name	LogHosts
Table type	Multi-instance table
Row name	Host
Restrictions	The device supports up to four log hosts.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Address	Address of the log host	Index	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated. Host name: Case-insensitive string. Host name length: 1 to 253 characters.	IPv4 example: 1.1.1.1 IPv6 example: 1:2:3:4:5:6:7:8 HostName example: www.example.com
VRF	VPN instance name	Index	String. Length: 0 to 31 characters.	If the log host is on the public network, the length of characters is 0.
Port	Port number of the log host	Index	Unsigned integer. Value range: 1 to 65535. Default: 514.	N/A
OutputLog	Type of logs to be sent to the log host	Data structure	Members include: <ul style="list-style-type: none"> • CmccSessionlog • CmccUserlog • TelecomSessionlog • TelecomUserlog • UnicomSessionlog • UnicomUserlog • Sessionlog • PacketFilterlog • ATKlog • AFTlog • DPIAuditlog • DPIUfltlog • DPINetSharelog • SCDlog 	N/A
CmccSessionlog	Enabling status of outputting session-based custom NAT444 logs in CMCC format to the log host	N/A	Boolean: <ul style="list-style-type: none"> • true—Enabled. • false—Disabled. 	N/A
CmccUserlog	Enabling status of outputting user-based custom NAT444 logs in CMCC format to the log host	N/A	Boolean: <ul style="list-style-type: none"> • true—Enabled. • false—Disabled. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
TelecomSessionlog	Enabling status of outputting session-based custom NAT444 logs in Telecom format to the log host	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
TelecomUserlog	Enabling status of outputting user-based custom NAT444 logs in Telecom format to the log host	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
UnicomSessionlog	Enabling status of outputting session-based custom NAT444 logs in Unicom format to the log host	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
UnicomUserlog	Enabling status of outputting user-based custom NAT444 logs in Unicom format to the log host	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
Sessionlog	Enabling status of outputting session logs to the log host	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
PacketFilterlog	Enabling status of outputting packet filter logs to the log host	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
ATKlog	Enabling status of outputting ATK logs to the log host	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
AFTlog	Enabling status of outputting AFT logs to the log host	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
DPIAuditlog	Enabling status of outputting DPI audit logs to the log host	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
DPIUfltlog	Enabling status of outputting DPI URL filter logs to the log host	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
DPINetSharelog	Enabling status of outputting DPI netshare control	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	logs to the log host		<ul style="list-style-type: none"> false—Disabled. 	
SCDlog	Enabling status of outputting server connection detection logs to the log host	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A

CustomLog/LogAttribute

This table contains global attributes about custom log.

XML structure

```

<CustomLog>
  <LogAttribute>
    <LogFormat></LogFormat>
    <Timestamp></Timestamp>
    <SourceInterface></SourceInterface>
    <SessionLogFormat></SessionLogFormat>
    <PacketFilterLogFormat></PacketFilterLogFormat>
    <ATKLogFormat></ATKLogFormat>
    <AFTLogFormat></AFTLogFormat>
    <DPIAuditLogFormat></DPIAuditLogFormat>
    <DPIUfltLogFormat></DPIUfltLogFormat>
    <DPINetShareLogFormat></DPINetShareLogFormat>
    <SCDLogFormat></SCDLogFormat>
  </LogAttribute>
</CustomLog>

```

Table description

Item	Description
Feature name	CustomLog
Table name	LogAttribute
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LogFormat	Format for outputting NAT444 custom logs	N/A	Enumeration: <ul style="list-style-type: none"> 0—Output NAT444 logs with Unicom format. 1—Output NAT444 logs with Telecom format. 2—Output NAT444 logs with CMCC format. 3—Do not output NAT444 logs. (Default). 	N/A
Timestamp	Timestamp type of NAT444 custom log	N/A	Enumeration: <ul style="list-style-type: none"> 0—Greenwich Mean Time(GMT). (Default) 1—Local time of device. 	N/A
SourceInterface	Name of source Interface address for output custom NAT444 logs	N/A	String Length: 2 to 47 characters.	Example: Ethernet0/0/0 Only interfaces that support IP address configuration can be specified.
SessionLogFormat	Format for outputting session custom logs	N/A	Enumeration: <ul style="list-style-type: none"> 0—Output standard H3C format session logs. 1—Do not output session logs (Default). 	N/A
PacketFilterLogFormat	Format for outputting packet filter custom logs	N/A	Enumeration: <ul style="list-style-type: none"> 0—Output standard H3C format packet filter logs. 1—Do not output packet filter logs (Default). 	N/A
ATKLogFormat	Format for outputting ATK custom logs	N/A	Enumeration: <ul style="list-style-type: none"> 0—Output standard H3C format ATK logs. 1—Do not output ATK logs (Default). 	N/A
AFTLogFormat	Format for outputting AFT custom logs	N/A	Enumeration: <ul style="list-style-type: none"> 0—Output standard H3C format AFT logs. 1—Do not output AFT logs (Default). 	N/A
DPIAuditLogFormat	Format for outputting DPI audit custom logs	N/A	Enumeration: <ul style="list-style-type: none"> 0—Output standard H3C format DPI audit logs. 1—Do not output DPI audit logs (Default). 	N/A
DPIUfltLogFormat	Format for outputting DPI URL filter custom logs	N/A	Enumeration: <ul style="list-style-type: none"> 0—Output standard H3C format DPI URL filter logs. 1—Do not output DPI URL filter logs (Default). 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
DPINetShareLogFormat	Format for outputting DPI netshare control logs	N/A	Enumeration: <ul style="list-style-type: none"> 0—Output standard H3C format DPI netshare control logs. 1—Do not output DPI netshare control logs (default). 	N/A
SCDLogFormat	Format for outputting server connection detection logs	N/A	Enumeration: <ul style="list-style-type: none"> 0—Output standard H3C format server connection detection logs. 1—Do not output server connection detection logs (default). 	N/A

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CustomLog

CustomLog/LogHost

This table contains custom log hosts information.

XML structure

```
<CustomLog>
  <LogHosts>
    <Host>
      <Address></Address>
      <VRF></VRF>
      <Port></Port>
      <OutputLog>
        <CmccSessionlog></CmccSessionlog>
        <CmccUserlog></CmccUserlog>
        <TelecomSessionlog></TelecomSessionlog>
        <TelecomUserlog></TelecomUserlog>
        <UnicomSessionlog></UnicomSessionlog>
        <UnicomUserlog></UnicomUserlog>
        <Sessionlog></Sessionlog>
        <PacketFilterlog></PacketFilterlog>
        <ATKlog></ATKlog>
        <AFTlog></AFTlog>
        <DPIDebuglog></DPIDebuglog>
        <DPIUfltlog></DPIUfltlog>
        <DPINetSharelog></DPINetSharelog>
        <SCDlog></SCDlog>
      </OutputLog>
    </Host>
  </LogHosts>
</CustomLog>
```

Table description

Item	Description
Feature name	CustomLog
Table name	LogHosts
Table type	Multi-instance table
Row name	Host
Restrictions	The device supports up to four log hosts.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Address	Address of the log host	Index	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated. Host name: Case-insensitive string. Host name length: 1 to 253 characters.	IPv4 example: 1.1.1.1 IPv6 example: 1:2:3:4:5:6:7:8 HostName example: www.example.com
VRF	VPN instance name	Index	String. Length: 0 to 31 characters.	If the log host is on the public network, the length of characters is 0.
Port	Port number of the log host	Index	Unsigned integer. Value range: 1 to 65535.	N/A
OutputLog	Type of logs to be sent to the log host	Data structure	Members include: <ul style="list-style-type: none"> • CmccSessionlog • CmccUserlog • TelecomSessionlog • TelecomUserlog • UnicomSessionlog • UnicomUserlog • Sessionlog • PacketFilterlog • ATKlog • AFTlog • DPIAuditlog • DPIUfltlog • DPINetSharelog • SCDlog 	N/A
CmccSessionlog	Enabling status of outputting session-based custom NAT444 logs in CMCC format to the log host	N/A	Boolean: <ul style="list-style-type: none"> • true—Enabled. • false—Disabled. 	N/A
CmccUserlog	Enabling status of outputting user-based custom NAT444 logs in CMCC format to the log host	N/A	Boolean: <ul style="list-style-type: none"> • true—Enabled. • false—Disabled. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
TelecomSessionlog	Enabling status of outputting session-based custom NAT444 logs in Telecom format to the log host	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
TelecomUserlog	Enabling status of outputting user-based custom NAT444 logs in Telecom format to the log host	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
UnicomSessionlog	Enabling status of outputting session-based custom NAT444 logs in Unicom format to the log host	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
UnicomUserlog	Enabling status of outputting user-based custom NAT444 logs in Unicom format to the log host	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
Sessionlog	Enabling status of outputting session logs to the log host	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
PacketFilterlog	Enabling status of outputting packet filter logs to the log host	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
ATKlog	Enabling status of outputting attack defense logs to the log host	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
AFTlog	Enabling status of outputting AFT logs to the log host	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
DPIAuditlog	Enabling status of outputting DPI audit logs to the log host	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
DPIUfltlog	Enabling status of outputting DPI URL filter logs to the log host	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
DPINetSharel	Enabling status of outputting DPI	N/A	Boolean:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
og	netshare control logs to the log host		<ul style="list-style-type: none"> true—Enabled. false—Disabled. 	
SCDlog	Enabling status of outputting server connection detection logs to the log host	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A

CustomLog/LogAttribute

This table contains global attributes about custom log.

XML structure

```

<CustomLog>
  <LogAttribute>
    <LogFormat></LogFormat>
    <Timestamp></Timestamp>
    <SourceInterface></SourceInterface>
    <SessionLogFormat></SessionLogFormat>
    <PacketFilterLogFormat></PacketFilterLogFormat>
    <ATKLogFormat></ATKLogFormat>
    <AFTLogFormat></AFTLogFormat>
    <DPIAuditLogFormat></DPIAuditLogFormat>
    <DPIUfltLogFormat></DPIUfltLogFormat>
    <DPINetShareLogFormat></DPINetShareLogFormat>
    <SCDLogFormat></SCDLogFormat>
  </LogAttribute>
</CustomLog>

```

Table description

Item	Description
Feature name	CustomLog
Table name	LogAttribute
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LogFormat	The format for outputting NAT444 custom logs	N/A	Enumeration: <ul style="list-style-type: none"> 0—Output NAT444 logs with Unicom format. 1—Output NAT444 logs with Telecom format. 2—Output NAT444 logs with CMCC format. 3—Do not output NAT444 logs. 	N/A
Timestamp	The timestamp type of NAT444 custom log	N/A	Enumeration: <ul style="list-style-type: none"> 0—Greenwich Mean Time (GMT). 1—Local time of device. 	N/A
SourceInterface	The name of source Interface for output custom NAT444 logs	N/A	String Length: 2 to 47 characters.	Example: Ethernet0/0/0 Only interfaces that support IP address configuration can be specified.
SessionLogFormat	Format for outputting session custom logs	N/A	Enumeration: <ul style="list-style-type: none"> 0—Output standard H3C format session logs. 1—Do not output session logs. 	N/A
PacketFilterLogFormat	Format for outputting packet filter custom logs	N/A	Enumeration: <ul style="list-style-type: none"> 0—Output standard H3C format packet filter logs. 1—Do not output packet filter logs. 	N/A
ATKLogFormat	Format for outputting ATK custom logs	N/A	Enumeration: <ul style="list-style-type: none"> 0—Output standard H3C format ATK logs. 1—Do not output ATK logs. 	N/A
AFTLogFormat	Format for outputting AFT custom logs	N/A	Enumeration: <ul style="list-style-type: none"> 0—Output standard H3C format AFT logs. 1—Do not output AFT logs. 	N/A
DPIAuditLogFormat	Format for outputting DPI audit custom logs	N/A	Enumeration: <ul style="list-style-type: none"> 0—Output standard H3C format DPI audit logs. 1—Do not output DPI audit logs. 	N/A
DPIUfltLogFormat	Format for outputting DPI URL filter custom logs	N/A	Enumeration: <ul style="list-style-type: none"> 0—Output standard H3C format DPI URL filter logs. 1—Do not output DPI url filter logs. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
DPINetShareLogFormat	Format for outputting DPI netshare control logs	N/A	Enumeration: <ul style="list-style-type: none"> 0—Output standard H3C format DPI netshare control logs. 1—Do not output DPI netshare control logs. 	N/A
SCDLogFormat	Format for outputting server connection detection logs	N/A	Enumeration: <ul style="list-style-type: none"> 0—Output standard H3C format server connection detection logs. 1—Do not output server connection detection logs (default). 	N/A

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Device

Device/Base

This table contains device information.

XML structure

```
<Device>
  <Base>
    <HostName></HostName>
    <ClockProtocol>
      <Protocol></Protocol>
      <MDCID></MDCID>
    </ClockProtocol>
    <TimeZone>
      <Zone></Zone>
      <ZoneName></ZoneName>
    </TimeZone>
  </Base>
</Device>
```

Table description

Item	Description
Feature name	Device
Table name	Base
Table type	Single-instance table
Row name	N/A
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
HostName	Device name	N/A	String. Length: 1 to 64 characters.	N/A
ClockProtocol	System time source	Data structure	Members include: <ul style="list-style-type: none">Protocol.MDCID.	This data structure is supported only on the default MDC.
Protocol	Time protocol	N/A	Enumeration:	Required.

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 2—None. 3—NTP. 4—PTP. 	Support for NTP and PTP depends on the device model.
MDCID	ID of the MDC used as the time source	N/A	Unsigned integer. Value range: 1 to 65535.	Supported and required on an MDC-supported device that uses NTP or PTP.
TimeZone	Time zone and its name	Data structure	Members include: <ul style="list-style-type: none"> Zone. ZoneName. 	N/A
Zone	Time zone	N/A	String. Use one of the following formats: <ul style="list-style-type: none"> Z for the UTC. +HH:MM:SS for east time zone. -HH:MM:SS for west time zone. Value ranges: <ul style="list-style-type: none"> HH—0 to 23. MM—0 to 59. SS—0 to 59. 	MM and SS are optional.
ZoneName	Time zone name	N/A	String. Length: 1 to 32 characters.	N/A

Device/SummerTime

This table contains summer-time information.

XML structure

```

<Device>
  <SummerTime>
    <Name></Name>
    <AddTime></AddTime>
    <DateBased>
      <BeginMonth></BeginMonth>
      <BeginDay></BeginDay>
      <BeginHour></BeginHour>
      <BeginMinute></BeginMinute>
      <BeginSecond></BeginSecond>
      <EndMonth></EndMonth>
      <EndDay></EndDay>
      <EndHour></EndHour>
      <EndMinute></EndMinute>
      <EndSecond></EndSecond>
    
```

```

</DateBased>
<WeekBased>
  <BeginMonth></BeginMonth>
  <BeginWeek></BeginWeek>
  <BeginWeekDay></BeginWeekDay>
  <BeginHour></BeginHour>
  <BeginMinute></BeginMinute>
  <BeginSecond></BeginSecond>
  <EndMonth></EndMonth>
  <EndWeek></EndWeek>
  <EndWeekDay></EndWeekDay>
  <EndHour></EndHour>
  <EndMinute></EndMinute>
  <EndSecond></EndSecond>
</WeekBased>
</SummerTime>
</Device>

```

Table description

Item	Description
Feature name	Device
Table name	SummerTime
Table type	Single-instance table
Row name	N/A
Restrictions	<p>Group DateBased and WeekBased are two configuration ways.</p> <p>Only one way can take effect at the same time.</p> <p>All the members of one group should be included when tack configuration action.</p> <p>New configuration will replace the existing one.</p>
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name for the daylight saving time.	N/A	String. Length: 1 to 32 characters.	N/A
AddTime	The time to be added to the standard time.	N/A	String. Format: <ul style="list-style-type: none"> HH:MM:SS 	Value ranges: <ul style="list-style-type: none"> HH—0 to 23. MM—0 to 59. SS—0 to 59.
DateBased	Daylight saving time	Data Structure	Members include: <ul style="list-style-type: none"> BeginMonth 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	configuration based on date.		<ul style="list-style-type: none"> BeginDay BeginHour BeginMinute BeginSecond EndMonth EndDay EndHour EndMinute EndSecond 	
BeginMonth	Begin month.	N/A	Unsigned integer. Value range: 1 to 12.	N/A
BeginDay	Begin day.	N/A	Unsigned integer. <ul style="list-style-type: none"> Value range: 1 to 31. 	N/A
BeginHour	Begin hour.	N/A	Unsigned integer. <ul style="list-style-type: none"> Value range: 0 to 23. 	N/A
BeginMinute	Begin minute.	N/A	Unsigned integer. Value range: 0 to 59.	N/A
BeginSecond	Begin second.	N/A	Unsigned integer. Value range: 0 to 59.	N/A
EndMonth	End month.	N/A	Unsigned integer. Value range: 1 to 12.	N/A
EndDay	End day.	N/A	Unsigned integer. Value range: 1 to 31.	N/A
EndHour	End hour.	N/A	Unsigned integer. Value range: 0 to 23.	N/A
EndMinute	End minute.	N/A	Unsigned integer. Value range: 0 to 59.	N/A
EndSecond	End second.	N/A	Unsigned integer. Value range: 0 to 59.	N/A
WeekBased	Daylight saving time configuration based on week.	Data Structure	Members include: <ul style="list-style-type: none"> BeginMonth BeginWeek BeginWeekDay BeginHour BeginMinute BeginSecond EndMonth EndWeek EndWeekDay EndHour EndMinute EndSecond 	N/A
BeginMonth	Begin month.	N/A	Unsigned integer. Value range: 1 to 12.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
BeginWeek	Begin week of the month.	N/A	Enumeration: <ul style="list-style-type: none"> 1—The first week 2—The second week 3—The third week 4—The fourth week 5—The fifth week 6—The last week 	Non-existent weeks of the month are treated as the last week.
BeginWeekDay	Begin day of week.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Sunday 1—Monday 2—Tuesday 3—Wednesday 4—Thursday 5—Friday 6—Saturday 	N/A
BeginHour	Begin hour .	N/A	Unsigned integer. Value range: 0 to 23.	N/A
BeginMinute	Begin minute.	N/A	Unsigned integer. Value range: 0 to 59.	N/A
BeginSecond	Begin second.	N/A	Unsigned integer. Value range: 0 to 59.	N/A
EndMonth	End month.	N/A	Unsigned integer. Value range: 1 to 12.	N/A
EndWeek	End week of the month.	N/A	Enumeration: <ul style="list-style-type: none"> 1—The first week 2—The second week 3—The third week 4—The fourth week 5—The fifth week 6—The last week 	Non-existent weeks of the month are treated as the last week.
EndWeekDay	End day of week.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Sunday 1—Monday 2—Tuesday 3—Wednesday 4—Thursday 5—Friday 6—Saturday 	N/A
EndHour	End hour .	N/A	Unsigned integer. Value range: 0 to 23.	N/A
EndMinute	End minute.	N/A	Unsigned integer. Value range: 0 to 59.	N/A
EndSecond	End second.	N/A	Unsigned integer. Value range: 0 to 59.	N/A

Device/ FailoverGroups

This table contains failover group information.

XML structure

```
<Device>
  <FailoverGroups>
    <FailoverGroup>
      <ID></ID>
      <Name></Name>
      <PrimaryNode>
        <Chassis></Chassis>
        <Slot></Slot>
        <CPUID></CPUID>
      </PrimaryNode>
      <SecondaryNode>
        <Chassis></Chassis>
        <Slot></Slot>
        <CPUID></CPUID>
      </SecondaryNode>
    </FailoverGroup>
  </FailoverGroups>
</Device>
```

Table description

Item	Description
Feature name	Device
Table name	FailoverGroups
Table type	Multi-instance table
Row name	FailoverGroup
Restrictions	N/A
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ID	Failover group id	index	Unsigned integer. Value range: 0 to 31.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Failover group name	N/A	String. Length: 1 to 63 characters.	N/A
PrimaryNode	Primary node of the failover group.	Data structure	Members include: <ul style="list-style-type: none"> Chassis Slot CPUID 	N/A
Chassis	Chassis ID of the failover group primary node.	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
Slot	Slot ID of the failover group primary node.	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
CPUID	CPU ID of the failover group primary node.	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
SecondaryNode	Secondary node of the failover group.	Data structure	Members include: <ul style="list-style-type: none"> Chassis Slot CPUID 	N/A
Chassis	Chassis ID of the failover group secondary node.	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
Slot	Slot ID of the failover group secondary node.	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
CPUID	CPU ID of the failover group secondary node.	N/A	Unsigned integer. Value range: 0 to 65535.	N/A

Device/TemperatureSensors

This table contains temperature sensor alarm settings.

XML structure

```

<Device>
  <TemperatureSensors>
    <Sensor>
      <Chassis></Chassis>
      <Slot></Slot>
      <CPUID></CPUID>
      <SensorType></SensorType>
      <SensorIndex></SensorIndex>
      <LowerLimit></LowerLimit>
      <WarningLimit></WarningLimit>
      <AlarmLimit></AlarmLimit>
    </Sensor>
  
```



```

    </TemperatureSensors>
</Device>

```

Table description

Item	Description
Feature name	Device
Table name	TemperatureSensors
Table type	Multi-instance table
Row name	Sensor
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Chassis	Member ID of the member device where the entity resides	Index	Unsigned short. Value range: 0 to 65535.	N/A
Slot	Slot number of the device node	Index	Unsigned integer. Value range: 0 to 65535.	N/A
CPUID	ID of the CPU.	Index	Unsigned integer. Value range: 0 to 65535.	N/A
SensorType	Type of the temperature sensor	Index	Enumeration: <ul style="list-style-type: none"> 0-Inflow 1-Outflow 2- Hotspot 	N/A
SensorIndex	Resource ID of the temperature sensor.	Index	Unsigned integer. Value range: 0 to 65535.	N/A
LowerLimit	Low-temperature threshold in Celsius degrees	N/A	Short	The specific range is different according to the equipment, and the beyond range can not be set

Column name	Column description	Column type	Data type and restrictions	Remarks
WarningLimit	High-temperature warning threshold in Celsius degrees	N/A	Short	The specific range is different according to the equipment, and the beyond range can not be set
AlarmLimit	High-temperature alarming threshold in Celsius degrees	N/A	Short	The specific range is different according to the equipment, and the beyond range can not be set

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XML structure	33
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Columns	33
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XML structure	33
Table description	34
Columns	34

Device

Device/Base

This table contains device information.

XML structure

```
<Device>
  <Base>
    <Uptime></Uptime>
    <HostName></HostName>
    <HostDescription></HostDescription>
    <HostOid></HostOid>
    <MinChassisNum></MinChassisNum>
    <MaxChassisNum></MaxChassisNum>
    <MinSlotNum></MinSlotNum>
    <MaxSlotNum></MaxSlotNum>
    <MinCPUIDNum></MinCPUIDNum>
    <MaxCPUIDNum></MaxCPUIDNum>
    <LocalTime></LocalTime>
    <ClockProtocol>
      <Protocol></Protocol>
      <MDCID></MDCID>
    </ClockProtocol>
    <TimeZone>
      <Zone></Zone>
      <ZoneName></ZoneName>
    </TimeZone>
  </Base>
</Device>
```

Table description

Item	Description
Feature name	Device
Table name	Base
Table type	Single-instance table
Row name	N/A
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Uptime	Time that elapsed after the device started up, in seconds	N/A	Unsigned integer.	N/A
HostName	Device name	N/A	String. Length: 1 to 64 characters.	N/A
HostDescription	Device description	N/A	String. Length: 0 to 255 characters.	N/A
HostOid	System object ID (OID) of the Device	N/A	String, dotted decimal notation.	N/A
MinChassisNum	Minimum number of the chassis	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
MaxChassisNum	Maximum number of the chassis	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
MinSlotNum	Minimum number of the slot	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
MaxSlotNum	Maximum number of the slot	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
MinCPUIDNum	Minimum ID of the CPU	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
MaxCPUIDNum	Maximum ID of the CPU	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
ClockProtocol	System time source	Data structure	Members include: <ul style="list-style-type: none"> Protocol. MDCID. 	This data structure is supported only on the default MDC.
Protocol	Time protocol	N/A	Enumeration: <ul style="list-style-type: none"> 2—None. 3—NTP. 4—PTP. 	Required. Support for NTP and PTP depends on the device model.
MDCID	ID of the MDC used as the time source	N/A	Unsigned integer. Value range: 1 to 65535.	Supported and required on an MDC-supported device that uses NTP or PTP.
LocalTime	System time on the device	N/A	DateTime. Format: YYYY-MM-DDTHH:MM:SS.	N/A
TimeZone	Time zone and its name	Data structure	Members include: <ul style="list-style-type: none"> Zone. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> ZoneName. 	
Zone	Time zone.	N/A	String. Use one of the following formats: <ul style="list-style-type: none"> Z for the UTC. +HH:MM:SS for east time zone. -HH:MM:SS for west time zone. Value ranges: <ul style="list-style-type: none"> HH—0 to 23. MM—0 to 59. SS—0 to 59. 	MM and SS are optional.
ZoneName	Time zone name	N/A	String. Length: 1 to 32 characters.	N/A

Device/PhysicalEntities

This table contains basic information about an entity.

XML structure

```

<Device>
  <PhysicalEntities>
    <Entity>
      <PhysicalIndex></PhysicalIndex>
      <Chassis></Chassis>
      <Slot></Slot>
      <SubSlot></SubSlot>
      <Description></Description>
      <VendorType></VendorType>
      <ContainedIn></ContainedIn>
      <Class></Class>
      <ParentRelPos></ParentRelPos>
      <Name></Name>
      <HardwareRev></HardwareRev>
      <FirmwareRev></FirmwareRev>
      <SoftwareRev></SoftwareRev>
      <SerialNumber></SerialNumber>
      <MfgName></MfgName>
      <Model></Model>
      <Alias></Alias>
      <AssetID></AssetID>
      <FRU></FRU>
      <MfgDate></MfgDate>
      <Uris></Uris>
    
```

```

    </Entity>
  </PhysicalEntities>
</Device>

```

Table description

Item	Description
Feature name	Device
Table name	PhysicalEntities
Table type	Multi-instance table
Row name	Entity
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PhysicalIndex	Entity index	Index	Unsigned integer.	
Chassis	ID of the member where the entity resides	N/A	Unsigned integer. Value range: 1 to 65535.	If there is no chassis number, return 65535.
Slot	Slot number of the entity	N/A	Unsigned integer. Value range: 1 to 65535.	If there is no slot number, return 65535.
SubSlot	Subslot number of the entity	N/A	Unsigned integer. Value range: 1 to 65535.	If there is no slot number, return 65535.
Description	Entity description	N/A	String. Length: 0 to 255 characters.	N/A
VendorType	Vendor type (OID)of the entity	N/A	String, dotted decimal notation.	N/A
ContainedIn	Position of the entity	N/A	Unsigned integer.	N/A
Class	Entity type	N/A	Enumeration. <ul style="list-style-type: none"> • 1—Others. • 2—Unknown. • 3—Frame. • 4—Backplane. • 5—Slot or subslot. • 6—Power supply. • 7—Fan. • 8—Sensor. • 9—Module. It might indicates a card, a subcard, or, for example, a flash memory. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 10—Port. 11—IRF fabric. 12—CPU. 	
ParentRelPos	Position of the entity's parent node	N/A	Signed integer. Minimum: -1.	N/A
Name	Entity name	N/A	String. Length: 0 to 255 characters.	N/A
HardwareRev	Hardware version of the entity	N/A	String. Length: 0 to 255 characters.	N/A
FirmwareRev	Firmware version of the entity	N/A	String. Length: 0 to 255 characters.	N/A
SoftwareRev	Software version of the entity	N/A	String. Length: 0 to 255 characters.	N/A
SerialNumber	Serial number of the entity	N/A	String. Length: 0 to 32 characters.	N/A
MfgName	Manufacturer name of the entity	N/A	String. Length: 0 to 32 characters.	N/A
Model	Entity model	N/A	String. Length: 0 to 255 characters.	N/A
Alias	Alias of the entity	N/A	String. Length: 0 to 32 characters.	N/A
AssetID	Asset ID of the entity	N/A	String. Length: 0 to 32 characters.	N/A
FRU	Whether the entity is a field replaceable unit	N/A	Enumeration: <ul style="list-style-type: none"> true—Supports. false—Does not support. 	N/A
MfgDate	Manufacture time of the entity	N/A	Format: YYYY-MM-DDTHH:MM:SS.	N/A
Uris	CLEI code	N/A	String. Length: 0 to 32 characters.	N/A

Device/ExtPhysicalEntities

This table contains extended information about an entity.

XML structure

```
<Device>
  <ExtPhysicalEntities>
    <Entity>
```

```

    <PhysicalIndex></PhysicalIndex>
    <AdminState></AdminState>
    <OperState></OperState>
    <StandbyState></StandbyState>
    <AlarmLight></AlarmLight>
    <CpuUsage ></CpuUsage>
    <CpuUsageThreshold></CpuUsageThreshold>
    <MemUsage></MemUsage>
    <MemUsageThreshold></MemUsageThreshold>
    <MemSize></MemSize>
    <Uptime></Uptime>
    <Temperature></Temperature>
    <TemperatureThreshold></TemperatureThreshold>
    <Voltage></Voltage>
    <VoltageLowThreshold></VoltageLowThreshold>
    <VoltageHighThreshold></VoltageHighThreshold>
    <TemperatureCriticalThreshold></TemperatureCriticalThreshold>
    <MAC></MAC>
    <ErrorStatus></ErrorStatus>
    <CpuMaxUsage></CpuMaxUsage>
    <TemperatureLowThreshold></TemperatureLowThreshold>
    <TemperatureShutdownThreshold></TemperatureShutdownThreshold>
    <PhyMemSize></PhyMemSize>
    <CpuFrequency></CpuFrequency>
    <FristUsedDate></FristUsedDate>
    <CpuAvgUsage></CpuAvgUsage>
    <MemAvgUsage></MemAvgUsage>
    <MemType></MemType>
  </Entity>
</ExtPhysicalEntities >
</Device>

```

Table description

Item	Description
Feature name	Device
Table name	ExtPhysicalEntities
Table type	Multi-instance table
Row name	Entity
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
PhysicalIndex	Entity index	Index	Unsigned integer.
AdminState	Management status	N/A	Enumeration: <ul style="list-style-type: none"> 1—Unsupported. 2—Disabled. 3—Shut down. 4—Enabled.
OperState	Operation status	N/A	Enumeration: <ul style="list-style-type: none"> 1—Unsupported. 2—Unusable. 3—Usable. 4—Dangerous, cannot be used.
StandbyState	Standby status	N/A	Enumeration: <ul style="list-style-type: none"> 1—Unsupported. 2—Hot standby. 3—Cold standby. 4—In service.
AlarmLight	Alarm LED status	N/A	Unsigned integer.
CpuUsage	CPU usage (%)	N/A	Unsigned integer. Value range: 0 to 100
CpuUsageThreshold	CPU usage threshold (%)	N/A	Unsigned integer. Value range: 0 to 100
MemUsage	Memory usage (%)	N/A	Unsigned integer. Value range: 0 to 100
MemUsageThreshold	Memory usage threshold (bytes)	N/A	Unsigned integer. Value range: 0 to 100
MemSize	Memory size (bytes)	N/A	Unsigned integer.
Uptime	Time that elapsed after the entity started up (seconds)	N/A	Unsigned integer.
Temperature	Temperature of the entity (°C)	N/A	Signed integer.
TemperatureThreshold	High-temperature threshold (°C)	N/A	Signed integer.
Voltage	Voltage of the entity (V)	N/A	Unsigned integer.
VoltageLowThreshold	Low-voltage threshold (V)	N/A	Unsigned integer.
VoltageHighThreshold	High-voltage threshold (V)	N/A	Unsigned integer.

Column name	Column description	Column type	Data type and restrictions
TemperatureCriticalThreshold	Critical high-voltage threshold (°C)	N/A	Signed integer.
MAC	MAC address of the entity	N/A	String. Format: HH-HH-HH-HH-HH-HH
ErrorStatus	Error status of the entity	N/A	Unsigned integer, greater than 0. Commonly used states: <ul style="list-style-type: none"> • 1—Not supported. • 2—Normal. • 3—Power-on self test failure. • 4—The entity is absent. • 11—POE error. • 21—Stack error. • 22—IRF port is blocked. • 23—IRF port failed. • 31—SFP receiving error. • 32—SFP sending error. • 33—SFP error in both direction. • 41—Fan error. • 51—PSU error. • 61—RPS error. • 71—Module is faulty. • 81—Sensor error. • 91—Hardware is faulty.
CpuMaxUsage	Maximum CPU usage (%)	N/A	Unsigned integer. Value range: 0 to 100
TemperatureLowThreshold	Low temperature threshold (°C)	N/A	Signed integer.
TemperatureShutdownThreshold	Shutdown temperature threshold (°C)	N/A	Signed integer.
PhyMemSize	Physical memory size (bytes)	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$
CpuFrequency	CPU frequency (Hz)	N/A	Unsigned integer.
FristUsedDate	Time when the entity was used for the first time	N/A	DateTime. Format: YYYY-MM-DDTHH:MM:SS.
CpuAvgUsage	Average CPU usage (%)	N/A	Unsigned integer. Value range: 0 to 100
MemAvgUsage	Average memory usage (%)	N/A	Unsigned integer. Value range: 0 to 100
MemType	Memory type	N/A	String. Length: 0 to 32 characters.

Device/Transceivers

This table contains power information about a transceiver module.

XML structure

```
<Device>
  <Transceivers>
    <Interface>
      <IfIndex></IfIndex>
      <Name></Name>
      <HardwareType></HardwareType>
      <TransceiverType></TransceiverType>
      <WaveLength></WaveLength>
      <VendorName></VendorName>
      <SerialNumber></SerialNumber>
      <FiberDiameterType></FiberDiameterType>
      <TransferDistance></TransferDistance>
      <Diagnostic></Diagnostic>
      <CurRxPower></CurRxPower>
      <MaxRxPower></MaxRxPower>
      <MinRxPower></MinRxPower>
      <CurTxPower></CurTxPower>
      <MaxTxPower></MaxTxPower>
      <MinTxPower></MinTxPower>
      <Temperature></Temperature>
      <Voltage></Voltage>
      <BiasCurrent></BiasCurrent>
      <TemperatureHiAlarm></TemperatureHiAlarm>
      <TemperatureLoAlarm></TemperatureLoAlarm>
      <TemperatureHiWarn></TemperatureHiWarn>
      <TemperatureLoWarn></TemperatureLoWarn>
      <VccHiAlarm></VccHiAlarm>
      <VccLoAlarm></VccLoAlarm>
      <VccHiWarn></VccHiWarn>
      <VccLoWarn></VccLoWarn>
      <BiasHiAlarm></BiasHiAlarm>
      <BiasLoAlarm></BiasLoAlarm>
      <BiasHiWarn></BiasHiWarn>
      <BiasLoWarn></BiasLoWarn>
      <PwrOutHiAlarm></PwrOutHiAlarm>
      <PwrOutLoAlarm></PwrOutLoAlarm>
      <PwrOutHiWarn></PwrOutHiWarn>
      <PwrOutLoWarn></PwrOutLoWarn>
      <RcvPwrHiAlarm></RcvPwrHiAlarm>
      <RcvPwrLoAlarm></RcvPwrLoAlarm>
      <RcvPwrHiWarn></RcvPwrHiWarn>
      <RcvPwrLoWarn></RcvPwrLoWarn>
```

```

    <TransceiverErrors></TransceiverErrors>
    <VendorOUI></VendorOUI>
    <RevisionNumber></RevisionNumber>
    <Frequency></Frequency>
    <ActiveITUChannel></ActiveITUChannel>
    <CurWaveErr></CurWaveErr>
    <WaveErrHiAlarm></WaveErrHiAlarm>
    <WaveErrLoAlarm></WaveErrLoAlarm>
    <CurFreqErr></CurFreqErr>
    <FreqErrHiAlarm></FreqErrHiAlarm>
    <FreqErrLoAlarm></FreqErrLoAlarm>
  </Interface>
</Transceivers>
</Device>

```

Table description

Item	Description
Feature name	Device
Table name	Transceiver
Table type	Multi-instance table
Row name	Interface
Restrictions	Available only for interfaces that support a transceiver

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see <i>Ifmgr NETCONF XML API Configuration Reference</i> .
Name	Interface name	N/A	String. Length: 2 to 47 characters.	N/A
HardwareType	Hardware type	N/A	String. Length: 0 to 63 characters.	For example, SM indicates single mode.
TransceiverType	Transceiver type	N/A	String. Length: 0 to 63 characters.	For example, SFP, XFP, and GBIC.
WaveLength	Wave length (nm)	N/A	Integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
VendorName	Vendor name	N/A	String. Length: 0 to 63 characters.	N/A
SerialNumber	Serial number	N/A	String. Length: 0 to 63 characters.	N/A
FiberDiameterType	Fiber diameter type	N/A	Unsigned integer. Commonly used values: <ul style="list-style-type: none"> 1—Fiber, 9 µm. 2—Fiber, 50 µm. 3—Fiber, 62.5 µm. 4—Copper. 65535—Unknown. 	N/A
TransferDistance	Maximum transmission distance (meters)	N/A	Integer.	N/A
Diagnostic	Diagnostic function	N/A	Unsigned integer: <ul style="list-style-type: none"> 1—Enabled. 2—Disabled. 	N/A
CurRxPower	Current received optical power (hundredths of dBm)	N/A	Integer.	2147483647 means the device doesn't support this feature.
MaxRxPower	Maximum received optical power (hundredths of dBm)	N/A	Integer.	2147483647 means the device doesn't support this feature.
MinRxPower	Minimum received optical power (hundredths of dBm)	N/A	Integer.	2147483647 means the device doesn't support this feature.
CurTxPower	Current transmitted optical power (hundredths of dBm)	N/A	Integer.	2147483647 means the device doesn't support this feature.
MaxTxPower	Maximum transmitted optical power (hundredths of dBm)	N/A	Integer.	2147483647 means the device doesn't support this feature.
MinTxPower	Minimum transmitted optical power (hundredths of dBm)	N/A	Integer.	2147483647 means the device doesn't support this feature.
Temperature	Temperature (°C)	N/A	Integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Voltage	Voltage (one hundredth of a volt)	N/A	Integer.	N/A
BiasCurrent	Current (one hundredth of an mA)	N/A	Integer.	N/A
TemperatureHiAlarm	Transceiver temperature high alarm threshold (thousandths of degrees Celsius)	N/A	Integer.	N/A
TemperatureLoAlarm	Transceiver temperature low alarm threshold (thousandths of degrees Celsius)	N/A	Integer.	N/A
TemperatureHiWarn	Transceiver temperature high warning threshold (thousandths of degrees Celsius)	N/A	Integer.	N/A
TemperatureLoWarn	Transceiver temperature low warning threshold (thousandths of degrees Celsius)	N/A	Integer.	N/A
VccHiAlarm	Transceiver VCC high alarm threshold (hundreds of microvolts)	N/A	Integer.	N/A
VccLoAlarm	Transceiver VCC low alarm threshold (hundreds of microvolts)	N/A	Integer.	N/A
VccHiWarn	Transceiver VCC high warning threshold (hundreds of microvolts)	N/A	Integer.	N/A
VccLoWarn	Transceiver VCC low warning	N/A	Integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	threshold (hundreds of microvolts)			
BiasHiAlarm	Transceiver bias high alarm threshold (microamps)	N/A	Integer.	N/A
BiasLoAlarm	Transceiver bias low alarm threshold (microamps)	N/A	Integer.	N/A
BiasHiWarn	Transceiver bias high warning threshold (microamps)	N/A	Integer.	N/A
BiasLoWarn	Transceiver bias low warning threshold (microamps)	N/A	Integer.	N/A
PwrOutHiAlarm	Transceiver transmit power high alarm threshold (tenths of microwatts)	N/A	Integer.	N/A
PwrOutLoAlarm	Transceiver transmit power low alarm threshold (tenths of microwatts)	N/A	Integer.	N/A
PwrOutHiWarn	Transceiver transmit power high warning threshold (tenths of microwatts)	N/A	Integer.	N/A
PwrOutLoWarn	Transceiver transmit power low warning threshold (tenths of microwatts)	N/A	Integer.	N/A
RcvPwrHiAlarm	Transceiver receive power high alarm threshold (tenths of microwatts)	N/A	Integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
RcvPwrLoAlarm	Transceiver receive power low alarm threshold (tenths of microwatts)	N/A	Integer.	N/A
RcvPwrHiWarn	Transceiver receive power high warning threshold (tenths of microwatts)	N/A	Integer.	N/A
RcvPwrLoWarn	Transceiver receive power low warning threshold (tenths of microwattss)	N/A	Integer.	N/A
TransceiverErrors	Bitmask indicating transceiver errors	N/A	1: xcvrIOError(0) 2: xcvrChecksum(1) 3: xcvrTypeAndPortConfigMismatch(2) 4: xcvrTypeNotSupported(3) 5: wisLocalFault(4) 6: rcvOpticalPowerFault(5) 7: pmapmdReceiverLocalFault(6) 8: pcsReceiveLocalFault(7) 9: phyXSReceiveLocalFault(8) 10: laserBiasCurrentFault(9) 11: laserTemperatureFault(10) 12: laserOutputPowerFault(11) 13: txFault(12) 14: pmapmdTransmitterLocalFault(13) 15: pcsTransmitLocalFault(14) 16: phyXSTransmitLocalFault(15) 17: rxLossOfSignal(16) 18: tecError(17) 19: wavelengthUnlocked(18) 20: txIsNotReadyDueToTuning(19)	N/A
VendorOUI	Vendor OUI of the interface	N/A	String. Length: 0 to 255 characters.	N/A
RevisionNumber	Revision number of the	N/A	String. Length: 0 to 255 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	interface			
Frequency	Frequency(hundredths of THz)	N/A	Integer.	N/A
ActiveITUChannel	Index of the current ITU channel	N/A	Unsigned integer. Value range:1 to 4294967295.	N/A
CurWaveErr	Current wave length error(thousandths of nm)	N/A	Integer.	N/A
WaveErrHiAlarm	High wave length error alarm threshold (thousandths of nm)	N/A	Integer.	N/A
WaveErrLoAlarm	Low wave length error alarm threshold (thousandths of nm)	N/A	Integer.	N/A
CurFreqErr	Current frequency error(tenths of GHz)	N/A	Integer.	N/A
FreqErrHiAlarm	High frequency error alarm threshold (tenths of GHz)	N/A	Integer.	N/A
FreqErrLoAlarm	Low frequency error alarm threshold (tenths of GHz)	N/A	Integer.	N/A

Device/TransceiversChannels

This table provides statistics for transceiver modules with multiple channels.

XML structure

```

<Device>
  <TransceiversChannels>
    <Interface>
      <IfIndex></IfIndex>
      <ChannelIndex></ChannelIndex>

```

```

    <ChannelCurTXPower></ChannelCurTXPower>
    <ChannelCurRXPower></ChannelCurRXPower>
    <ChannelTemperature></ChannelTemperature>
    <ChannelBiasCurrent></ChannelBiasCurrent>
  </Interface>
</TransceiversChannels>
</Device>

```

Table description

Item	Description
Feature name	Device
Table name	TransceiversChannels
Table type	Multi-instance table
Row name	Interface
Restrictions	Available only for interfaces that support a transceiver module

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	This column is available in some versions. For more information, see the XSD document for your product. For information about IfIndex, see "Appendix" in <i>Ifmgr NETCONF XML API Configuration Reference</i> .
ChannelIndex	Optical channel index	Index	Unsigned integer. Value range: 1 to 4294967295.	N/A
ChannelCurTXPower	Current transmitted optical power of the channel (hundredths of dBm)	N/A	Integer.	2147483647 means the device doesn't support this feature.
ChannelCurRXPower	Current received optical power of the channel (hundredths of dBm)	N/A	Integer.	2147483647 means the device doesn't support this feature.
ChannelTemperature	Temperature of the channel (°C)	N/A	Integer.	Some versions support current temperature. For relevant information, see

Column name	Column description	Column type	Data type and restrictions	Remarks
				the XSD document of your product.2147483647 means the device doesn't support this feature.
ChannelBias Current	Current of the channel (one hundredth of an mA)	N/A	Integer.	2147483647 means the device doesn't support this feature.

Device/TransceiversITUChannels

This table contains information about ITU channels supported on the transceiver that is connected to this interface.

XML structure

```

<Device>
  <TransceiversITUChannels>
    <Interface>
      <IfIndex></IfIndex>
      <ITUChannelIndex></ITUChannelIndex>
      <ITUChannelFrequency></ITUChannelFrequency>
      <ITUChannelWaveLength></ITUChannelWaveLength>
    </Interface>
  </TransceiversITUChannels>
</Device>

```

Table description

Item	Description
Feature name	Device
Table name	TransceiversITUChannels
Table type	Multi-instance table
Row name	Interface
Restrictions	Available only for ITU channels supported on the transceiver that is connected to this interface

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface	Index	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	index			
ITUChannelIndex	The index of the specified ITU channel	Index	Unsigned integer. Value range:1 to 4294967295.	N/A
ITUChannelFrequency	The frequency of the specified ITU channel (hundredths of THz)	N/A	Integer.	N/A
ITUChannelWaveLength	The wave length of the specified ITU channel (thousandths of nm)	N/A	Integer.	N/A

Device/CPU

This table contains usage information about the logical CPUs.

XML structure

```

<Device>
  <CPUs>
    <CPU>
      <PhysicalIndex></PhysicalIndex>
      <Chassis></Chassis>
      <Slot></Slot>
      <CPUID></CPUID>
      <CPUUsage></CPUUsage>
    </CPU>
  </CPUs>
</Device>

```

Table description

Item	Description
Feature name	Device
Table name	CPUs
Table type	Multi-instance table
Row name	CPU
Restrictions	Available only for logical CPUs

Columns

Column name	Column description	Column type	Data type and restrictions
PhysicalIndex	Entity index	Index	Unsigned integer.
Chassis	ID of the member where the entity resides	N/A	Unsigned integer. Value range: 0 to 65535.
Slot	Slot ID of the entity	N/A	Unsigned integer. Value range: 0 to 65535.
CPUID	CPU ID	N/A	Unsigned integer. Value range: 0 to 7.
CPUUsage	CPU usage (%)	N/A	Unsigned integer. Value range: 0 to 100.

Device/SummerTime

This table contains summer-time information.

XML structure

```
<Device>
  <SummerTime>
    <Name></Name>
    <AddTime></AddTime>
    <DateBased>
      <BeginMonth></BeginMonth>
      <BeginDay></BeginDay>
      <BeginHour></BeginHour>
      <BeginMinute></BeginMinute>
      <BeginSecond></BeginSecond>
      <EndMonth></EndMonth>
      <EndDay></EndDay>
      <EndHour></EndHour>
      <EndMinute></EndMinute>
      <EndSecond></EndSecond>
    </DateBased>
    <WeekBased>
      <BeginMonth></BeginMonth>
      <BeginWeek></BeginWeek>
      <BeginWeekDay></BeginWeekDay>
      <BeginHour></BeginHour>
      <BeginMinute></BeginMinute>
      <BeginSecond></BeginSecond>
      <EndMonth></EndMonth>
      <EndWeek></EndWeek>
    </WeekBased>
  </SummerTime>
</Device>
```

```

    <EndWeekDay></EndWeekDay>
    <EndHour></EndHour>
    <EndMinute></EndMinute>
    <EndSecond></EndSecond>
  </WeekBased>
</SummerTime>
</Device>

```

Table description

Item	Description
Feature name	Device
Table name	SummerTime
Table type	Single-instance table
Row name	N/A
Restrictions	Group DateBased and WeekBased are two configuration ways. Only one way can take effect at the same time.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name for the daylight saving time.	N/A	String. Length: 1 to 32 characters.	N/A
AddTime	The time to be added to the standard time.	N/A	String. Formats: <ul style="list-style-type: none"> HH:MM:SS 	Value ranges: <ul style="list-style-type: none"> HH—0 to 23. MM—0 to 59. SS—0 to 59.
DateBased	Daylight saving time configuration based on date.	Data Structure	Members include: <ul style="list-style-type: none"> BeginMonth BeginDay BeginHour BeginMinute BeginSecond EndMonth EndDay EndHour EndMinute EndSecond 	N/A
BeginMonth	Begin month.	N/A	Unsigned integer. Value range: 1 to 12.	N/A
BeginDay	Begin day.	N/A	Unsigned integer. <ul style="list-style-type: none"> Value range: 1 to 31. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
BeginHour	Begin hour.	N/A	Unsigned integer. • Value range: 0 to 23.	N/A
BeginMinute	Begin minute.	N/A	Unsigned integer. Value range: 0 to 59.	N/A
BeginSecond	Begin second.	N/A	Unsigned integer. Value range: 0 to 59.	N/A
EndMonth	End month.	N/A	Unsigned integer. Value range: 1 to 12.	N/A
EndDay	End day.	N/A	Unsigned integer. Value range: 1 to 31.	N/A
EndHour	End hour.	N/A	Unsigned integer. Value range: 0 to 23.	N/A
EndMinute	End minute.	N/A	Unsigned integer. Value range: 0 to 59.	N/A
EndSecond	End second.	N/A	Unsigned integer. Value range: 0 to 59.	N/A
WeekBased	Daylight saving time configuration based on week.	Data Structure	Members include: • BeginMonth • BeginWeek • BeginWeekDay • BeginHour • BeginMinute • BeginSecond • EndMonth • EndWeek • EndWeekDay • EndHour • EndMinute • EndSecond	N/A
BeginMonth	Begin month.	N/A	Unsigned integer. Value range: 1 to 12.	N/A
BeginWeek	Begin week of the month.	N/A	Enumeration: • 1—The first week • 2—The second week • 3—The third week • 4—The fourth week • 5—The fifth week • 6—The last week	Non-existent weeks of the month are treated as the last week.
BeginWeekDay	Begin day of week.	N/A	Enumeration: • 0—Sunday • 1—Monday • 2—Tuesday • 3—Wednesday • 4—Thursday	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 5—Friday 6—Saturday 	
BeginHour	Begin hour.	N/A	Unsigned integer. Value range: 0 to 23.	N/A
BeginMinute	Begin minute.	N/A	Unsigned integer. Value range: 0 to 59.	N/A
BeginSecond	Begin second.	N/A	Unsigned integer. Value range: 0 to 59.	N/A
EndMonth	End month.	N/A	Unsigned integer. Value range: 1 to 12.	N/A
EndWeek	End week of the month.	N/A	Enumeration: <ul style="list-style-type: none"> 1—The first week 2—The second week 3—The third week 4—The fourth week 5—The fifth week 6—The last week 	Non-existent weeks of the month are treated as the last week.
EndWeekDay	End day of week.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Sunday 1—Monday 2—Tuesday 3—Wednesday 4—Thursday 5—Friday 6—Saturday 	N/A
EndHour	End hour .	N/A	Unsigned integer. Value range: 0 to 23.	N/A
EndMinute	End minute.	N/A	Unsigned integer. Value range: 0 to 59.	N/A
EndSecond	End second.	N/A	Unsigned integer. Value range: 0 to 59.	N/A

Device/Boards

This table contains board information.

XML structure

```

<Device>
  <Boards>
    <Board>
      <DeviceNode>
        <Chassis></Chassis>
        <Slot></Slot>
      </DeviceNode>
    </Board>
  </Boards>
</Device>

```

```

    <CPUID></CPUID>
  </DeviceNode>
  <PhysicalIndex></PhysicalIndex>
  <Status></Status>
  <Role></Role>
  <BelongtoCurMDC></BelongtoCurMDC>
</Board>
</Boards>
</Device>

```

Table description

Item	Description
Feature name	Device
Table name	Boards
Table type	Multi-instance table
Row name	Board
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DeviceNode	Position information of the device Node.	Data structure	Members include: <ul style="list-style-type: none"> Chassis Slot CPUID 	N/A
Chassis	ID of the member where the entity resides.	Index	Unsigned integer. Value range: 0 to 65535.	N/A
Slot	Slot ID of the device node.	Index	Unsigned integer. Value range: 0 to 65535.	N/A
CPUID	CPU ID.	Index	Unsigned integer. Value range: 0 to 65535.	0 represent main CPU of current board.
PhysicalIndex	Entity index.	N/A	Unsigned integer.	The index is 0 when board is absent.
Status	Status of the device node.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Absent 2—Normal 3—Fault 	N/A
Role	Role of the device node.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Unknown 2—ActiveMPU 3—StandbyMPU 	Role is Unknown when status is Absent or Fault.

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 4—LPU 	
BelongtoCurMDC	Whether the device node belongs to the current MDC	N/A	Boolean: <ul style="list-style-type: none"> true false 	An MPU belongs to all MDCs. If you reclaim an LPU from the default MDC, the LPU does not belong to the default MDC.

Device/Blades

This table contains blade information.

XML structure

```

<Device>
  <Blades>
    <Blade>
      <DeviceNode>
        <Chassis></Chassis>
        <Slot></Slot>
        <CPUID></CPUID>
      </DeviceNode>
      <Model></Model>
    </Blade>
  </Blades>
</Device>

```

Table description

Item	Description
Feature name	Device
Table name	Blades
Table type	Multi-instance table
Row name	blade
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions
DeviceNode	Position of the device Node.	Data structure	Members include: <ul style="list-style-type: none"> Chassis Slot CPUID

Column name	Column description	Column type	Data type and restrictions
Chassis	ID of the member where the entity resides.	Index	Unsigned integer. Value range: 0 to 65535.
Slot	Slot ID of the device node.	Index	Unsigned integer. Value range: 0 to 65535.
CPUID	CPU ID.	Index	Unsigned integer. Value range: 0 to 65535.
Model	Device model of blade board.	N/A	String. Length: 1 to 63 characters.

Device/PEXes

This table contains PEX board information.

XML structure

```

<Device>
  <PEXes>
    <PEX>
      <DeviceNode>
        <Chassis></Chassis>
        <Slot></Slot>
        <CPUID></CPUID>
      </DeviceNode>
      <Model></Model>
    </PEX>
  </PEXes>
</Device>

```

Table description

Item	Description
Feature name	Device
Table name	PEXes
Table type	Multi-instance table
Row name	PEX
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions
DeviceNode	Position of the device Node.	Data structure	Members include: <ul style="list-style-type: none">ChassisSlotCPUID
Chassis	ID of the member where the entity resides.	Index	Unsigned integer. Value range: 0 to 65535.
Slot	Slot ID of the device node.	Index	Unsigned integer. Value range: 0 to 65535.
CPUID	CPU ID.	Index	Unsigned integer. Value range: 0 to 65535.
Model	Device model of PEX board.	N/A	String. Length: 1 to 63 characters.

Device/BladeCapabilities

This table contains capabilities of blade board.

XML structure

```
<Device>
  <BladeCapabilities>
    <Blade>
      <Model></Model>
    </Blade>
  </BladeCapabilities>
</Device>
```

Table description

Item	Description
Feature name	Device
Table name	BladeCapabilities
Table type	Multi-instance table
Row name	Blade
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions
Model	Device model of blade board.	Index	String. Length: 1 to 63 characters.

Device/PEXCapabilities

This table contains capabilities of PEX board.

XML structure

```
<Device>
  <PEXCapabilities>
    <PEX>
      <Model></Model>
    </PEX>
  </PEXCapabilities>
</Device>
```

Table description

Item	Description
Feature name	Device
Table name	PEXCapabilities
Table type	Multi-instance table
Row name	PEX
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions
Model	Device model of PEX board.	Index	String. Length: 1 to 63 characters.

Device/FailoverGroupCapabilities

This table contains capabilities of failover group.

XML structure

```
<Device>
  <FailoverGroupCapabilities>
    <FailoverGroupSupport></FailoverGroupSupport>
  </FailoverGroupCapabilities>
</Device>
```

Table description

Item	Description
Feature name	Device
Table name	FailoverGroupCapabilities
Table type	Single -instance table
Row name	N/A
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions
FailoverGroupSupport	Is support failover group.	N/A	Boolean: <ul style="list-style-type: none">• true• false

Device/ FailoverGroups

This table contains failover group information.

XML structure

```
<Device>
  <FailoverGroups>
    <FailoverGroup>
      <ID></ID>
      <Name></Name>
      <PrimaryNode>
        <Chassis></Chassis>
        <Slot></Slot>
        <CPUID></CPUID>
      </PrimaryNode>
      <SecondaryNode>
        <Chassis></Chassis>
        <Slot></Slot>
        <CPUID></CPUID>
      </SecondaryNode>
    </FailoverGroup>
  </FailoverGroups>
</Device>
```



```

    </SecondaryNode>
    <State></State>
  <FailoverGroup>
</FailoverGroups>
</Device>

```

Table description

Item	Description
Feature name	Device
Table name	FailoverGroups
Table type	Multi-instance table
Row name	FailoverGroup
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Failover group id	index	Unsigned integer. Value range: 0 to 31.
Name	Failover group name	N/A	String. Length: 1 to 63 characters.
PrimaryNode	Primary node of the failover group.	Data structure	Members include: <ul style="list-style-type: none"> Chassis Slot CPUID
Chassis	Chassis ID of the failover group primary node.	N/A	Unsigned integer. Value range: 0 to 65535.
Slot	Slot ID of the failover group primary node.	N/A	Unsigned integer. Value range: 0 to 65535.
CPUID	CPU ID of the failover group primary node.	N/A	Unsigned integer. Value range: 0 to 65535.
SecondaryNode	Secondary node of the failover group.	Data structure	Members include: <ul style="list-style-type: none"> Chassis Slot CPUID
Chassis	Chassis ID of the failover group secondary node.	N/A	Unsigned integer. Value range: 0 to 65535.
Slot	Slot ID of the failover group secondary node.	N/A	Unsigned integer. Value range: 0 to 65535.
CPUID	CPU ID of the failover	N/A	Unsigned integer.

Column name	Column description	Column type	Data type and restrictions
	group secondary node.		Value range: 0 to 65535.
State	State of the failover group.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Initial 2—Primary 3—Secondary

Device/Subcards

This table contains subcard information.

XML structure

```

<Device>
  <Subcards>
    <Subcard>
      <Chassis></Chassis>
      <Slot></Slot>
      <CPUID></CPUID>
      <SubSlot></SubSlot>
      <PhysicalIndex></PhysicalIndex>
      <Status></Status>
    </Subcard>
  </Subcards>
</Device>

```

Table description

Item	Description
Feature name	Device
Table name	Subcards
Table type	Multi-instance table
Row name	Subcard
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions
Chassis	ID of the member where the entity resides.	Index	Unsigned integer. Value range: 0 to 65535.
Slot	Slot ID of the device node.	Index	Unsigned integer. Value range: 0 to 65535.

Column name	Column description	Column type	Data type and restrictions
CPUID	CPU ID.	Index	Unsigned integer. Value range: 0 to 65535.
SubSlot	Subslot number of the entity	Index	Unsigned integer. Value range: 0 to 65535.
PhysicalIndex	Physical index of the subslot	N/A	Unsigned integer. Value range: 0 to 65535.
Status	Status of the subcard	N/A	Enumeration: <ul style="list-style-type: none"> SubcardRemoved — The subcard has been removed. SubcardNormal — The subcard is operating correctly. SubcardFault — The subcard is fault.

Device/TemperatureSensors

This table contains the temperature sensor information.

XML structure

```

<Device>
  <TemperatureSensors>
    <Sensor>
      <Chassis></Chassis>
      <Slot></Slot>
      <CPUID></CPUID>
      <SensorType></SensorType>
      <SensorIndex></SensorIndex>
      <SensorStatus></SensorStatus>
      <CurrentTemperature></CurrentTemperature>
      <LowerLimit></LowerLimit >
      <WarningLimit></WarningLimit >
      <AlarmLimit></AlarmLimit>
      <ShutdownLimit></ShutdownLimit>
    </Sensor>
  </TemperatureSensors>
</Device>

```

Table description

Item	Description
Feature name	Device

Table name	TemperatureSensors
Table type	Multi-instance table
Row name	Sensor
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions
Chassis	ID of the member where the entity resides.	Index	Unsigned integer. Value range: 0 to 65535.
Slot	Slot ID of the device node.	Index	Unsigned integer. Value range: 0 to 65535.
CPUID	CPU ID.	Index	Unsigned integer. Value range: 0 to 65535.
SensorType	Type of the temperature sensor.	Index	Enumeration: <ul style="list-style-type: none"> 0-inflow 1-outflow 2-Hotspot
SensorIndex	Resource ID of the temperature sensor.	Index	Unsigned integer. Value range: 0 to 65535.
SensorStatus	Status of the temperature sensor	N/A	Enumeration: <ul style="list-style-type: none"> TemperatureNormal—The temperature is normal. TemperatureLower—The temperature dropped to or below the low-temperature threshold. TemperatureWarning—The temperature increased to or above the high-temperature warning threshold. TemperatureAlarm—The temperature increased to or above the high-temperature alarming threshold. TemperatureShutdown—The temperature increased to or above the high-temperature shutdown threshold.
CurrentTemperature	Current Temperature(°C)	N/A	Short
LowerLimit	Lower Limit Temperature(°C)	N/A	Short
WarningLimit	Warning Limit Temperature(°C)	N/A	Short
AlarmLimit	Alarm Limit Temperature(°C)	N/A	Short
ShutdownLimit	Shutdown Limit Temperature(°C)	N/A	Short

Device/SystemStableStatus

This table contains system stability and status information.

XML structure

```
<Device>
  <SystemStableStatus>
    <SystemStatus></SystemStatus>
    <Redundancy></Redundancy>
  </SystemStableStatus>
</Device>
```

Table description

Item	Description
Feature name	Device
Table name	SystemStableStatus
Table type	Single-instance table
Row name	N/A
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions
SystemStatus	System status	N/A	Enumeration: <ul style="list-style-type: none">StableNot ready
Redundancy	System redundancy status	N/A	Enumeration: <ul style="list-style-type: none">StableNo redundancyNot ready

Device/BoardStableStatus

This table contains stability and status information for cards or member devices

XML structure

```
<Device>
  <BoardStableStatus>
    <StableStatus>
      <Chassis></Chassis>
      <Slot></Slot>
    </StableStatus>
  </BoardStableStatus>
</Device>
```

```

    <CPU></CPU>
    <Role></Role>
    <Status></Status>
  </StableStatus>
</BoardStableStatus>
</Device>

```

Table description

Item	Description
Feature name	Device
Table name	BoardStableStatus
Table type	Multi-instance table
Row name	StableStatus
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions
chassis	ID of the member where the entity resides	Index	Unsigned integer. Value range: 0 to 65535.
Slot	Slot number of the device node	Index	Unsigned integer. Value range: 0 to 65535.
CPU	ID of the CPU.	Index	Unsigned integer. Value range: 0 to 65535.
Role	Role of the card or member device	N/A	Enumeration: <ul style="list-style-type: none"> • Active • Standby • Other
Status	Status of the card or member device	N/A	Enumeration: <ul style="list-style-type: none"> • Stable • Board inserted • Kernel initiating • Service starting • Service stopping • HA Batch backup • Interface data batch backup • MDC starting • MDC stopping • Context starting • Context stopping

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Device event stream

BoardEvent event

This event is used to report card or member device alarm information.

XML structure for event subscription

```
<BoardEvent>
  <Board>
    <Chassis></Chassis>
    <Slot></Slot>
    <CPUID></CPUID>
  </Board>
</BoardEvent>
```

Example:

```
<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"
xmlns:xs="http://www.h3c.com/netconf/base:1.0">
  <create-subscription xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
    <stream>Device</stream>
    <filter type="subtree">
      <BoardEvent xmlns="http://www.h3c.com/netconf/event:1.0/Device:1.0">
        <Board>
          <Chassis>0</Chassis>
          <Slot>0</Slot>
          <CPUID>0</CPUID>
        </Board>
      </BoardEvent >
    </filter>
  </create-subscription>
</rpc>
```

Table description

Item	Description
Event stream name	Device
Event name	BoardEvent
Event namespace	http://www.h3c.com/netconf/event:1.0/Device:1.0
Support for extended query	No

Columns

Column name	Column description	Data type and restrictions	Support for extended queries
Chassis	Member ID of the member device where the entity	Unsigned integer. Value range: 0 to	No

Column name	Column description	Data type and restrictions	Support for extended queries
	resides	65535.	
Slot	Slot number of the device node	Unsigned integer. Value range: 0 to 65535.	No
CPUID	ID of the CPU.	Unsigned integer. Value range: 0 to 65535.	No

XML structure for event report

```

<BoardEvent>
  <Board>
    <Chassis></Chassis>
    <Slot></Slot>
    <CPUID></CPUID>
    <PhysicalIndex></PhysicalIndex>
    <BoardStatus></BoardStatus>
  </Board>
</BoardEvent>

```

Example:

```

<notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
  <eventTime>2016-07-21T09:10:51</eventTime>
  <BoardEvent xmlns="http://www.h3c.com/netconf/event:1.0/Device:1.0">
    <Board>
      <Chassis>0</Chassis>
      <Slot>0</Slot>
      <CPUID>0</CPUID>
      <PhysicalIndex>100</PhysicalIndex>
      <BoardStatus>BoardNormal</BoardStatus>
    </Board>
  </BoardEvent>
</notification>

```

Columns

Column name	Column description	Data type and restrictions
Chassis	Member ID of the member device where the entity resides	Unsigned integer. Value range: 0 to 65535.
Slot	Slot number of the device node	Unsigned integer. Value range: 0 to 65535.
CPUID	ID of the CPU	Unsigned integer. Value range: 0 to 65535.
PhysicalIndex	Entity index.	Unsigned integer.

Column name	Column description	Data type and restrictions
		Value range: 0 to 65535.
BoardStatus	Status of the card	Enumeration: <ul style="list-style-type: none"> BoardRemoved—The card has been removed. BoardNormal — The card is operating correctly. BoardFault—The card is faulty.

SubcardEvent event

This event is used to report subcard alarm information.

XML structure for event subscription

```
<SubcardEvent>
  <Subcard>
    <Chassis></Chassis>
    <Slot></Slot>
    <CPUID></CPUID>
    <SubSlot></SubSlot>
  </Subcard>
</SubcardEvent>
```

Example:

```
<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"
xmlns:xs="http://www.h3c.com/netconf/base:1.0">
  <create-subscription xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
    <stream>Device</stream>
    <filter type="subtree">
      <SubcardEvent xmlns="http://www.h3c.com/netconf/event:1.0/Device:1.0">
        <Subcard>
          <Chassis>0</Chassis>
          <Slot>0</Slot>
          <CPUID>0</CPUID>
          <SubSlot>1</SubSlot>
        </Subcard>
      </SubcardEvent>
    </filter>
  </create-subscription>
</rpc>
```

Table description

Item	Description
Event stream name	Device
Event name	SubcardEvent

Item	Description
Event namespace	http://www.h3c.com/netconf/event:1.0/Device:1.0
Support for extended query	No

Columns

Column name	Column description	Data type and restrictions	Support for extended queries
Chassis	Member ID of the member device where the entity resides	Unsigned integer. Value range: 0 to 65535.	No
Slot	Slot number of the device node	Unsigned integer. Value range: 0 to 65535.	No
SubSlot	Subslot number of the entity	Unsigned integer. Value range: 0 to 65535.	No
CPUID	ID of the CPU.	Unsigned integer. Value range: 0 to 65535.	No

XML structure for event report

```

<SubcardEvent>
  <Subcard>
    <Chassis></Chassis>
    <Slot></Slot>
    <CPUID></CPUID>
    <SubSlot></SubSlot>
    <PhysicalIndex></PhysicalIndex>
    <SubcardStatus></SubcardStatus>
  </Subcard>
</SubcardEvent>

```

Example:

```

<notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
  <eventTime>2016-07-21T09:10:51</eventTime>
  <SubcardEvent xmlns="http://www.h3c.com/netconf/event:1.0/Device:1.0">
    <Subcard>
      <Chassis>0</Chassis>
      <Slot>0</Slot>
      <CPUID>0</CPUID>
      <SubSlot>1</SubSlot>
      <PhysicalIndex>100</PhysicalIndex>
      <SubcardStatus>SubcardRemoved</SubcardStatus>
    </Subcard>
  </SubcardEvent>
</notification>

```

Columns

Column name	Column description	Data type and restrictions
Chassis	Member ID of the member device where the entity resides	Unsigned integer. Value range: 0 to 65535.
Slot	Slot number of the device node	Unsigned integer. Value range: 0 to 65535.
CPUID	ID of the CPU	Unsigned integer. Value range: 0 to 65535.
SubSlot	Subslot number of the entity	Unsigned integer. Value range: 0 to 65535.
PhysicalIndex	Entity index.	Unsigned integer. Value range: 0 to 65535.
SubcardStatus	Status of the subcard	Enumeration: <ul style="list-style-type: none">SubcardRemoved — The subcard has been removed.SubcardNormal — The subcard is operating correctly.SubcardFault — The subcard is fault.

TemperatureEvent event

This event is used to report temperature alarm information.

XML structure for event subscription

```
<TemperatureEvent>
  <Temperature>
    <Chassis></Chassis>
    <Slot></Slot>
    <CPUID></CPUID>
  </Temperature>
</TemperatureEvent>
```

Example:

```
<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"
xmlns:xs="http://www.h3c.com/netconf/base:1.0">
  <create-subscription xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
    <stream>Device</stream>
    <filter type="subtree">
      <TemperatureEvent xmlns="http://www.h3c.com/netconf/event:1.0/Device:1.0">
        <Temperature>
          <Chassis>0</Chassis>
          <Slot>0</Slot>
          <CPUID>0</CPUID>
```

```

        </Temperature>
    </TemperatureEvent>
</filter>
</create-subscription>
</rpc>

```

Table description

Item	Description
Event stream name	Device
Event name	TemperatureEvent
Event namespace	http://www.h3c.com/netconf/event:1.0/Device:1.0
Support for extended query	No

Columns

Column name	Column description	Data type and restrictions	Support for extended queries
Chassis	Member ID of the member device where the entity resides	Unsigned integer. Value range: 0 to 65535.	No
Slot	Slot number of the device node	Unsigned integer. Value range: 0 to 65535.	No
CPUID	ID of the CPU.	Unsigned integer. Value range: 0 to 65535.	No

XML structure for event report

```

<TemperatureEvent>
  <Temperature>
    <Chassis></Chassis>
    <Slot></Slot>
    <CPUID></CPUID>
    <PhysicalIndex></PhysicalIndex>
    <SensorType></SensorType>
    <Status></Status>
    <CurrentTemperature></CurrentTemperature>
    <LowerLimitTemperature></LowerLimitTemperature>
    <WarningLimitTemperature></WarningLimitTemperature>
    <AlarmLimitTemperature></AlarmLimitTemperature>
    <ShutdownLimitTemperature></ShutdownLimitTemperature>
  </Temperature>
</TemperatureEvent>

```

Example:

```

<notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
  <eventTime>2016-07-21T09:10:51</eventTime>
  <TemperatureEvent xmlns="http://www.h3c.com/netconf/event:1.0/Device:1.0">

```

```

<Temperature>
  <Chassis>0</Chassis>
  <Slot>0</Slot>
  <CPUID>0</CPUID>
  <PhysicalIndex>100</PhysicalIndex>
  <SensorType>Hotspot</SensorType>
  <Status>TemperatureWarning</Status>
  <CurrentTemperature>73</CurrentTemperature>
  <LowerLimitTemperature>0</LowerLimitTemperature>
  <WarningLimitTemperature>65</WarningLimitTemperature>
  <AlarmLimitTemperature>75</AlarmLimitTemperature>
  <ShutdownLimitTemperature>90</ShutdownLimitTemperature>
</Temperature>
</TemperatureEvent>
</notification>

```

Columns

Column name	Column description	Data type and restrictions
Chassis	Member ID of the member device where the entity resides	Unsigned integer. Value range: 0 to 65535.
Slot	Slot number of the device node	Unsigned integer. Value range: 0 to 65535.
CPUID	ID of the CPU	Unsigned integer. Value range: 0 to 65535.
PhysicalIndex	Physical index of the temperature sensor	Unsigned integer. Value range: 0 to 65535.
SensorType	Type of the temperature sensor	Enumeration: <ul style="list-style-type: none"> inflow outflow Hotspot
Status	Status of the temperature sensor	Enumeration: <ul style="list-style-type: none"> TemperatureNormal—The temperature is normal. TemperatureLower—The temperature dropped to or below the low-temperature threshold. TemperatureWarning—The temperature increased to or above the high-temperature warning threshold. TemperatureAlarm—The temperature increased to or above the high-temperature alarming threshold. TemperatureShutdown—The temperature increased to or above the high-temperature shutdown threshold
CurrentTemperature	Current Temperature(°C)	Short
LowerLimitTemperature	Lower Limit Temperature(°C)	Short
WarningLimitTemperature	Warning Limit	Short

Column name	Column description	Data type and restrictions
	Temperature(°C)	
AlarmLimitTemperature	Alarm Temperature(°C) Limit	Short
ShutdownLimitTemperature	Shutdown Temperature(°C) Limit	Short

SystemStableStatusEvent event

This event is used to report system stability and status information.

XML structure for event subscription

```
<SystemStableStatusEvent>
</SystemStableStatusEvent>
```

Example:

```
<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"
xmlns:xs="http://www.h3c.com/netconf/base:1.0">
  <create-subscription xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
    <stream>Device</stream>
    <filter type="subtree">
      <SystemStableStatusEvent xmlns="http://www.h3c.com/netconf/event:1.0/Device:1.0">
        </SystemStableStatusEvent>
      </filter>
    </create-subscription>
  </rpc>
```

Table description

Item	Description
Event stream name	Device
Event name	SystemStableStatusEvent
Event namespace	http://www.h3c.com/netconf/event:1.0/Device:1.0
Support for extended query	No

Columns

None

XML structure for event report

```
<SystemStableStatusEvent>
  <SystemStatus></SystemStatus>
  <Redundancy></Redundancy>
</SystemStableStatusEvent>
```

Example:

```
<notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
```

```

<eventTime>2016-07-21T09:10:51</eventTime>
<SystemStableStatusEvent xmlns="http://www.h3c.com/netconf/event:1.0/Device:1.0">
  <SystemStatus>Stable</SystemStatus>
  <Redundancy>Stable</Redundancy>
</SystemStableStatusEvent>
</notification>

```

Columns

Column name	Column description	Data type and restrictions
SystemStatus	System stable status	Enumeration: <ul style="list-style-type: none"> Stable Not ready
Redundancy	Status of active/standby	Enumeration: <ul style="list-style-type: none"> Stable No redundancy Not ready

BoardStableStatusEvent event

This event is used to report card stability and status information.

XML structure for event subscription

```

<BoardStableStatusEvent>
  <BoardStableStatus>
    <Chassis></Chassis>
    <Slot></Slot>
    <CPUID></CPUID>
  </BoardStableStatus>
</BoardStableStatusEvent>

```

Example:

```

<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"
xmlns:xs="http://www.h3c.com/netconf/base:1.0">
  <create-subscription xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
    <stream>Device</stream>
    <filter type="subtree">
      <BoardStableStatusEvent xmlns="http://www.h3c.com/netconf/event:1.0/Device:1.0">
        <BoardStableStatus>
          <Chassis></Chassis>
          <Slot></Slot>
          <CPUID></CPUID>
        </BoardStableStatus>
      </BoardStableStatusEvent>
    </filter>
  </create-subscription>
</rpc>

```


Table description

Item	Description
Event stream name	Device
Event name	BoardStableStatusEvent
Event namespace	http://www.h3c.com/netconf/event:1.0/Device:1.0
Support for extended query	No

Columns

Column name	Column description	Data type and restrictions	Support for extended queries
Chassis	Member ID of the member device where the entity resides	Unsigned integer. Value range: 0 to 65535.	No
Slot	Slot number of the device node	Unsigned integer. Value range: 0 to 65535.	No
CPUID	ID of the CPU.	Unsigned integer. Value range: 0 to 65535.	No

XML structure for event report

```
<BoardStableStatusEvent>
  <BoardStableStatus>
    <Chassis></Chassis>
    <Slot></Slot>
    <CPUID></CPUID>
    <Role></Role>
    <Status></Status>
  </BoardStableStatus>
</BoardStableStatusEvent>
```

Example:

```
<notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
  <eventTime>2016-07-21T09:10:51</eventTime>
  <BoardStableStatusEvent xmlns="http://www.h3c.com/netconf/event:1.0/Device:1.0">
    <BoardStableStatus>
      <Chassis>1</Chassis>
      <Slot>1</Slot>
      <CPUID>0</CPUID>
      <Role>Standby</Role>
      <Status>Stable</Status>
    </BoardStableStatus>
  </BoardStableStatusEvent>
</notification>
```

Columns

Column name	Column description	Data type and restrictions
Chassis	Member ID of the member device where the entity resides	Unsigned integer. Value range: 0 to 65535.
Slot	Slot number of the device node	Unsigned integer. Value range: 0 to 65535.
CPUID	ID of the CPU	Unsigned integer. Value range: 0 to 65535.
Role	Role of the board	Enumeration: <ul style="list-style-type: none">• Active• Standby• Other
Status	Status of the board	Enumeration: <ul style="list-style-type: none">• Stable• Board inserted• Kernel initiating• Service starting• Service stopping• HA Batch backup• Interface data batch backup• MDC starting• MDC stopping• Context starting• Context stopping• Removed(Stable)

|

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DHCP

DHCP/DHCPServerIpPool

This table contains DHCP server IP pool information.

XML structure

```
<DHCP>
  <DHCPServerIpPool>
    <IpPool>
      <PoolIndex></PoolIndex>
      <PoolName></PoolName>
      <NetworkIpv4Address></NetworkIpv4Address>
      <NetworkIpv4Mask></NetworkIpv4Mask>
      <StartIpv4Address></StartIpv4Address>
      <EndIpv4Address></EndIpv4Address>
      <LeaseDay></LeaseDay>
      <LeaseHour></LeaseHour>
      <LeaseMinute></LeaseMinute>
      <LeaseSecond></LeaseSecond>
      <LeaseUnlimit></LeaseUnlimit>
      <DomainName></DomainName>
      <GatewayIpv4Address></GatewayIpv4Address>
      <DNSIpv4Address></DNSIpv4Address>
      <NetbiosType></NetbiosType>
      <NbnsIpv4Address></NbnsIpv4Address>
      <SubnetAlloc></SubnetAlloc>
    </IpPool>
  </DHCPServerIpPool>
</DHCP>
```

Table description

Item	Description
Feature name	DHCP
Table name	DHCPServerIpPool
Table type	Multi-instance table
Row name	IpPool
Restrictions	None

Support for row creation and deletion	Yes
---------------------------------------	-----

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PoolIndex	DHCP address pool index	Index	Unsigned integer. Value range: 0 to 4096.	For the merge, create and replace operations, 0 means to automatically assign a minimum unused index. For the delete and remove operations, 0 can not be set.
PoolName	DHCP address pool name	N/A	String, case insensitive. Length: 1 to 63 characters.	Required when create a new row, can not be modified.
NetworkIpv4Address	Primary subnet for dynamic allocation	N/A	String, dotted decimal notation.	Modifying or removing the network configuration deletes the assigned addresses from the current address pool.
NetworkIpv4Mask	Primary subnet mask for dynamic allocation	N/A	String, dotted decimal notation.	If no mask is specified, the natural mask will be used.
StartIpv4Address	Start IP address of IP address range in a DHCP address pool for dynamic allocation	N/A	String, dotted decimal notation.	The address range specified must be within the subnet. The addresses out of the address range cannot be assigned. It must be configured together with the EndIpv4Address column.
EndIpv4Address	End IP address of IP address range	N/A	String, dotted decimal notation.	It must be configured together with the

Column name	Column description	Column type	Data type and restrictions	Remarks
	in a DHCP address pool for dynamic allocation			StartIpv4Address column.
LeaseDay	Days of lease duration	N/A	Unsigned integer. Value range: 0 to 365. Default: 1.	LeaseDay, LeaseHour, LeaseMinute, LeaseSecond must be configured together. Can not be configured together with LeaseUnlimit.
LeaseHour	Hours of lease duration	N/A	Unsigned integer. Value range: 0 to 23. Default: 0.	N/A
LeaseMinute	Minutes of lease duration	N/A	Unsigned integer. Value range: 0 to 59. Default: 0.	N/A
LeaseSecond	Seconds of lease duration	N/A	Unsigned integer. Value range: 0 to 59. Default: 0.	N/A
LeaseUnlimit	Whether the function of unlimited lease duration is specified.	N/A	Boolean: <ul style="list-style-type: none"> • true • false(default) 	Can not be configured together with LeaseDay, LeaseHour, LeaseMinute, LeaseSecond.
DomainName	Domain name	N/A	String, case sensitive. Length: 1 to 50 characters.	N/A
GatewayIpv4Address	Gateway addresses	N/A	String, case insensitive. Length: 1 to 1024 characters.	You can specify a space-separated list of up to 64 addresses. Example: 1.1.1.1 2.2.2.2 3.3.3.3.
DNSIpv4Address	DNS server addresses	N/A	String, case insensitive. Length: 1 to 127	You can specify a space-separated list of up to eight addresses.

Column name	Column description	Column type	Data type and restrictions	Remarks
			characters.	Example: 1.1.1.1 2.2.2.2 3.3.3.3.
NetbiosType	NetBIOS node type	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> • 1—b-node. • 2—p-node. • 3—m-node. • 4—h-node. 	<p>b-node: Specifies the broadcast node. A b-node client sends the destination name in a broadcast message to get the name-to-IP mapping from a server.</p> <p>h-node: Specifies the hybrid node. An h-node client unicasts the destination name to a WINS server. If it does not receive a response, the h-node client broadcasts the destination name to get the mapping from a server.</p> <p>m-node: Specifies the mixed node. An m-node client broadcasts the destination name. If it does not receive a response, the m-node client unicasts the destination name to the WINS server to get the mapping.</p> <p>p-node: Specifies the peer-to-peer node. A p-node client sends the destination name in a unicast message to get the mapping from the WINS server.</p>
NbnsIpv4Address	WINS server addresses	N/A	String, case insensitive. Length: 1 to 127	You can specify a space-separated list of

Column name	Column description	Column type	Data type and restrictions	Remarks
			characters.	up to eight addresses. Example: 1.1.1.1 2.2.2.2 3.3.3.3.
SubnetAlloc	The flag of dynamic pool	N/A	Enumeration: <ul style="list-style-type: none"> 0—normal pool (default). 1—dynamic pool. 	Address pool type does not support change again. configuration StartIpv4Address and EndIpv4Address is not supported when the pool type id dynamic.

DHCP/DHCPServerPoolStatic

This table contains static binding information of DHCP server IP pool.

XML structure

```

<DHCP>
  <DHCPServerPoolStatic>
    <IpPoolStatic>
      <PoolIndex></PoolIndex>
      <Ipv4Address></Ipv4Address>
      <Ipv4Mask></Ipv4Mask>
      <CID></CID>
      <HAddress></HAddress>
      <HType></HType>
    </IpPoolStatic>
  </DHCPServerPoolStatic>
</DHCP>

```

Table description

Item	Description
Feature name	DHCP
Table name	DHCPServerPoolStatic
Table type	Multi-instance table

Row name	IpPoolStatic
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PoolIndex	DHCP address pool index	Index	Unsigned integer. Value range: 0 to 4096.	The specified PoolIndex must already exist.
Ipv4Address	IP address of the static binding	Index	String, dotted decimal notation.	N/A
Ipv4Mask	IP address mask of the static binding	N/A	String, dotted decimal notation.	If no mask is specified, the natural mask will be used.
CID	Client ID of the static binding	N/A	String, case insensitive. Length: 4 to 254 characters.	<p>The string can contain only hexadecimal numbers and hyphen (-), in the format of H-H-H.... The last H can be a two-digit or four-digit hexadecimal number while the other Hs must be all four-digit hexadecimal numbers. For example, aabb-cccc-dd is correct, and aabb-c-dddd and aabb-cc-dddd are not correct.</p> <p>Can not be configured together with HAddress, HType column, but one of the CID and HAddress is required.</p> <p>Can not modify bindings. To change the binding for a DHCP</p>

Column name	Column description	Column type	Data type and restrictions	Remarks
				client, you must delete the existing binding first and create a new binding.
HAddress	Client hardware address of the static binding	N/A	String, case insensitive. Length: 4 to 79 characters.	The string can contain only hexadecimal numbers and hyphen (-), in the format of H-H-H.... The last H can be a two-digit or four-digit hexadecimal number while the other Hs must be all four-digit hexadecimal numbers. For example, aabb-cccc-dd is correct, and aabb-c-dddd and aabb-cc-dddd are not correct.
HType	Client hardware address type	N/A	Enumeration: <ul style="list-style-type: none"> 1—Ethernet (default). 2—TokenRing. 	It must be configured together with the HAddress column.

DHCP/DHCPConfig

This table contains DHCP server and DHCP relay configuration information.

XML structure

```

<DHCP>
  <DHCPConfig>
    <DHCPEnable></DHCPEnable>
    <ServerConfig>
      <AlwaysBroadcast></AlwaysBroadcast>
      <IgnoreBOOTP></IgnoreBOOTP>
      <BOOTPReplyRFC1048></BOOTPReplyRFC1048>
      <Opt82Enabled></Opt82Enabled>
      <PingNumber></PingNumber>
      <PingTimeout></PingTimeout>
    </ServerConfig>
  </DHCPConfig>
</DHCP>

```

```

</ServerConfig>
<RelayConfig>
  <UserInfoRecord></UserInfoRecord>
  <UserInfoRefresh></UserInfoRefresh>
  <UserInfoFlushTime></UserInfoFlushTime>
</RelayConfig>
</DHCPConfig>
</DHCP>

```

Table description

Item	Description
Feature name	DHCP
Table name	DHCPConfig
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DHCPEnable	Whether the function of DHCP is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true false(default) 	N/A
ServerConfig	The configuration of DHCP server	Data structure	Members include: <ul style="list-style-type: none"> AlwaysBroadcastAlert IgnoreBOOTP BOOTPReplyRFC1048 Opt82Enabled PingNumber PingTimeout 	N/A
AlwaysBroadcast	Whether enable the DHCP server	N/A	Boolean: <ul style="list-style-type: none"> true 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	to broadcast all responses or not.		<ul style="list-style-type: none"> false(default) 	
IgnoreBOOTP	Whether ignore BOOTP requests or not.	N/A	Boolean: <ul style="list-style-type: none"> true false (default) 	N/A
BOOTPReplyRFC1048	Whether enable the DHCP server to send BOOTP responses in RFC 1048 format when it receives RFC 1048-incompliant BOOTP requests for statically bound addresses or not.	N/A	Boolean: <ul style="list-style-type: none"> true false(default) 	N/A
Opt82Enabled	Whether enable the DHCP server to handle Option 82 or not.	N/A	Boolean: <ul style="list-style-type: none"> true (default) false 	N/A
PingNumber	Maximum number of ping packets	N/A	Unsigned integer. Value range: 0 to 10. Default: 1.	To disable the address conflict detection, set the value to 0.
PingTimeout	Ping response timeout time on the DHCP server	N/A	Unsigned integer. Value range: 0 to 10000 milliseconds. Default: 500 milliseconds.	To disable the ping operation for address conflict detection, set the value to 0 milliseconds.
RelayConfig	The configuration of DHCP relay	Data structure	Members include: <ul style="list-style-type: none"> UserInfoRecord UserInfoRefresh UserInfoFlushTime 	N/A
UserInfoRecord	Whether the function of recording client	N/A	Boolean: <ul style="list-style-type: none"> true false(default) 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	information in relay entries is enabled.			
UserInfoRefresh	Whether enable the relay agent to periodically refresh dynamic relay entries or not.	N/A	Boolean: <ul style="list-style-type: none"> true(default) false 	N/A
UserInfoFlushTime	Interval at which the DHCP relay agent periodically refreshes relay entries	N/A	Unsigned integer. Value range: 0 to 120 seconds. Default: 0 seconds.	To automatically calculate the refresh interval, set the value to 0 seconds.

DHCP/DHCPIfMode

This table contains DHCP interface mode information.

XML structure

```

<DHCP>
  <DHCPIfMode>
    <IfMode>
      <IfIndex></IfIndex>
      <Mode></Mode>
    </IfMode>
  </DHCPIfMode>
</DHCP>

```

Table description

Item	Description
Feature name	DHCP
Table name	DHCPIfMode
Table type	Multi-instance table
Row name	IfMode

Restrictions	This table supports only Layer 3 interfaces.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in <i>Ifmgr NETCONF XML API Configuration Reference</i> .
Mode	DHCP mode	N/A	Enumeration: <ul style="list-style-type: none"> • 0—None. • 1—Server (default). • 2—Relay. 	N/A

DHCP/DHCPRelaySrvIPv4Address

This table contains DHCP servers on the DHCP relay agent information.

XML structure

```

<DHCP>
  <DHCPRelaySrvIPv4Address>
    <RelaySrvIPv4>
      <IfIndex></IfIndex>
      <Ipv4Address></Ipv4Address>
    </RelaySrvIPv4>
  </DHCPRelaySrvIPv4Address>
</DHCP>

```

Table description

Item	Description
Feature name	DHCP
Table name	DHCPRelaySrvIPv4Address
Table type	Multi-instance table
Row name	RelaySrvIPv4
Restrictions	This table supports only Layer 3 interfaces.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in <i>Ifmgr NETCONF XML API Configuration Reference</i> .
Ipv4Address	DHCP servers IP address on the DHCP relay agent	Index	String, dotted decimal notation.	N/A

DHCP/DHCPServerPoolOption

This table contains DHCP server IP pool options information.

XML structure

```
<DHCP>
  <DHCPServerPoolOption>
    <IpPoolOption>
```

```

    <PoolIndex></PoolIndex>
    <OptionCode></OptionCode>
    <OptionValueHex></OptionValueHex>
    <OptionValueAscii></OptionValueAscii>
    <OptionValueIpAddresses></OptionValueIpAddresses>
  </IpPoolOption>
</DHCPServerPoolOption>
</DHCP>

```

Table description

Item	Description
Feature name	DHCP
Table name	DHCPServerPoolOption
Table type	Multi-instance table
Row name	IpPoolOption
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PoolIndex	DHCP address pool index	Index	Unsigned integer. Value range: 0 to 4096.	The specified PoolIndex must already exist.
OptionCode	Number of the customized option	Index	Unsigned integer. Value range: 2 to 254.	Excluding 50 through 54, 56, 58, 59, 61, and 82.
OptionValueHex	Hex string as the option content	N/A	String, case insensitive. Length: 2 to 256 characters.	Only one of OptionValueHex, OptionValueAscii and OptionValueIpAddresses can be set. Hex string of even numbers from 2 to 256 as the option content.
OptionValueAscii	ASCII string as	N/A	String, case sensitive.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	the option content		Length: 1 to 255 characters.	
OptionValueIpAddresses	IP addresses as the option content	N/A	String, case insensitive. Length: 1 to 127 characters.	If there are multiple addresses, separated them by space. Example: 1.1.1.1 2.2.2.2 3.3.3.3.

DHCP/DHCPRelaySourceAddress

This table contains information about source IP addresses of the packets sent by the DHCP relay agent.

XML structure

```
<DHCP>
  <DHCPRelaySourceAddress>
    <RelaySrcAddr>
      <IfIndex></IfIndex>
      <Ipv4Address></Ipv4Address>
    </RelaySrcAddr>
  </DHCPRelaySourceAddress>
</DHCP>
```

Table description

Item	Description
Feature name	DHCP
Table name	DHCPRelaySourceAddress
Table type	Multi-instance table
Row name	RelaySrcAddr
Restrictions	This table supports only Layer 3 interfaces.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in <i>Ifmgr NETCONF XML API Configuration Reference</i> .
Ipv4Address	Source IP addresses of the packets sent by the DHCP relay agent	N/A	String, dotted decimal notation.	N/A

DHCP/DHCPRelayInfoEnable

This table contains information about whether the DHCP relay agent support Option 82.

XML structure

```
<DHCP>
  <DHCPRelayInfoEnable>
    <RelayInfoEnable>
      <IfIndex></IfIndex>
      <InfoEnable></InfoEnable>
    </RelayInfoEnable>
  </DHCPRelayInfoEnable>
</DHCP>
```

Table description

Item	Description
Feature name	DHCP
Table name	DHCPRelayInfoEnable

Table type	Multi-instance table
Row name	RelayInfoEnable
Restrictions	This table supports only Layer 3 interfaces.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	Some versions support interface name. For related information, see the XSD document of your product. For information about IfIndex, see "Appendix" in <i>Ifmgr NETCONF XML API Configuration Reference</i> .
InfoEnable	Whether the DHCP relay agent support Option 82.	N/A	Boolean: <ul style="list-style-type: none"> true false (default) 	N/A

DHCP/DHCPServerForbiddenIp

This table contains information about IP addresses excluded from dynamic allocation globally.

XML structure

```

<DHCP>
  <DHCPServerForbiddenIp>
    <ForbiddenIp>
      <VRF></VRF>
      <StartIpv4Address></StartIpv4Address>
      <EndIpv4Address></EndIpv4Address>
    </ForbiddenIp>
  </DHCPServerForbiddenIp>
</DHCP>

```

Table description

Item	Description
Feature name	DHCP
Table name	DHCPServerForbiddenIp
Table type	Multi-instance table
Row name	ForbiddenIp
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VRF instance name	Index	String, case-sensitive. Length: 1 to 31 characters.	If the lease is on the public network, the length of characters is 0.
StartIpv4Address	Start IP address of an IP address range that is excluded from dynamic allocation globally	Index	String, dotted decimal notation.	N/A
EndIpv4Address	End IP address of an IP address range that is excluded from dynamic allocation globally	Index	String, dotted decimal notation.	EndIpv4Address cannot be lower than the StartIpv4Address.

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Columns	22
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XML structure	23
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Columns	23

DHCP

DHCP/DHCPServerIpPool

This table contains DHCP server IP pool information.

XML structure

```
<DHCP>
  <DHCPServerIpPool>
    <IpPool>
      <PoolIndex></PoolIndex>
      <PoolName></PoolName>
      <NetworkIpv4Address></NetworkIpv4Address>
      <NetworkIpv4Mask></NetworkIpv4Mask>
      <StartIpv4Address></StartIpv4Address>
      <EndIpv4Address></EndIpv4Address>
      <LeaseDay></LeaseDay>
      <LeaseHour></LeaseHour>
      <LeaseMinute></LeaseMinute>
      <LeaseSecond></LeaseSecond>
      <LeaseUnlimit></LeaseUnlimit>
      <DomainName></DomainName>
      <GatewayIpv4Address></GatewayIpv4Address>
      <DNSIpv4Address></DNSIpv4Address>
      <NetbiosType></NetbiosType>
      <NbnsIpv4Address></NbnsIpv4Address>
    </IpPool>
  </DHCPServerIpPool>
</DHCP>
```

Table description

Item	Description
Feature name	DHCP
Table name	DHCPServerIpPool
Table type	Multi-instance table
Row name	IpPool
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PoolIndex	DHCP address pool index	Index	Unsigned integer. Value range: 0 to 4096.	N/A
PoolName	DHCP address pool name	N/A	String, case insensitive. Length: 1 to 63 characters.	N/A
NetworkIpv4Address	Primary subnet for dynamic allocation	N/A	String, dotted decimal notation.	N/A
NetworkIpv4Mask	Primary subnet mask for dynamic allocation	N/A	String, dotted decimal notation.	If no mask is specified, the natural mask will be used.
StartIpv4Address	Start IP address of IP address range in a DHCP address pool for dynamic allocation	N/A	String, dotted decimal notation.	N/A
EndIpv4Address	End IP address of IP address range in a DHCP address pool for dynamic allocation	N/A	String, dotted decimal notation.	N/A
LeaseDay	Days of lease duration	N/A	Unsigned integer. Value range: 0 to 365.	N/A
LeaseHour	Hours of lease duration	N/A	Unsigned integer. Value range: 0 to 23.	N/A
LeaseMinute	Minutes of lease duration	N/A	Unsigned integer. Value range: 0 to 59.	N/A
LeaseSecond	Seconds of lease duration	N/A	Unsigned integer. Value range: 0 to 59.	N/A
LeaseUnlimit	Whether the function of unlimited lease duration is	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A

Column name	Column description specified.	Column type	Data type and restrictions	Remarks
DomainName	Domain name	N/A	String, case sensitive. Length: 1 to 50 characters.	N/A
GatewayIpv4Address	Gateway addresses	N/A	String, case insensitive. Length: 1 to 1024 characters.	You can specify a space-separated list of up to 64 addresses. Example: 1.1.1.1 2.2.2.2 3.3.3.3.
DNSIpv4Address	DNS server addresses	N/A	String, case insensitive. Length: 1 to 127 characters.	You can specify a space-separated list of up to eight addresses. Example: 1.1.1.1 2.2.2.2 3.3.3.3.
NetbiosType	NetBIOS node type	N/A	Enumeration: <ul style="list-style-type: none"> • 1—b-node. • 2—p-node. • 3—m-node. • 4—h-node. 	<p>b-node: Specifies the broadcast node. A b-node client sends the destination name in a broadcast message to get the name-to-IP mapping from a server.</p> <p>h-node: Specifies the hybrid node. An h-node client unicasts the destination name to a WINS server. If it does not receive a response, the h-node client broadcasts the destination name to get the mapping from a server.</p> <p>m-node: Specifies the mixed node. An m-node client broadcasts the destination name. If it does not receive a</p>

Column name	Column description	Column type	Data type and restrictions	Remarks
				<p>response, the m-node client unicasts the destination name to the WINS server to get the mapping.</p> <p>p-node: Specifies the peer-to-peer node. A p-node client sends the destination name in a unicast message to get the mapping from the WINS server.</p>
NbnsIpv4Address	WINS server addresses	N/A	<p>String, case insensitive.</p> <p>Length: 1 to 127 characters.</p>	<p>You can specify a space-separated list of up to eight addresses.</p> <p>Example:</p> <p>1.1.1.1 2.2.2.2 3.3.3.3.</p>

DHCP/DHCPStatic

This table contains static binding information of DHCP server IP pool.

XML structure

```

<DHCP>
  <DHCPStatic>
    <IpPoolStatic>
      <PoolIndex></PoolIndex>
      <Ipv4Address></Ipv4Address>
      <Ipv4Mask></Ipv4Mask>
      <CID></CID>
      <HAddress></HAddress>
      <HType></HType>
    </IpPoolStatic>
  </DHCPStatic>
</DHCP>

```

Table description

Item	Description
Feature name	DHCP
Table name	DHCPServerPoolStatic
Table type	Multi-instance table
Row name	IpPoolStatic
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PoolIndex	DHCP address pool index	Index	Unsigned integer. Value range: 0 to 4096.	The specified PoolIndex must already exist.
Ipv4Address	IP address of the static binding	Index	String, dotted decimal notation.	N/A
Ipv4Mask	IP address mask of the static binding	N/A	String, dotted decimal notation.	If no mask is specified, the natural mask will be used.
CID	Client ID of the static binding	N/A	String, case insensitive. Length: 4 to 254 characters.	The string can contain only hexadecimal numbers and hyphen (-), in the format of H-H-H.... The last H can be a two-digit or four-digit hexadecimal number while the other Hs must be all four-digit hexadecimal numbers. For example, aabb-cccc-dd is correct, and aabb-c-dddd and aabb-cc-dddd are not correct.
HAddress	Client hardware	N/A	String, case insensitive.	The string can contain

Column name	Column description	Column type	Data type and restrictions	Remarks
	address of the static binding		Length: 4 to 79 characters.	only hexadecimal numbers and hyphen (-), in the format of H-H-H.... The last H can be a two-digit or four-digit hexadecimal number while the other Hs must be all four-digit hexadecimal numbers. For example, aabb-cccc-dd is correct, and aabb-c-dddd and aabb-cc-dddd are not correct.
HType	Client hardware address type	N/A	Enumeration: <ul style="list-style-type: none"> 1—Ethernet. 2—TokenRing. 	N/A

DHCP/DHCPServerIpInUse

This table contains binding information about assigned IP addresses.

XML structure

```

<DHCP>
  <DHCPServerIpInUse>
    <IpInUse>
      <PoolIndex></PoolIndex>
      <Ipv4Address></Ipv4Address>
      <CID></CID>
      <HAddress></HAddress>
      <HType></HType>
      <VLANID></VLANID>
      <EndLease></EndLease>
      <Type></Type>
      <IfIndex></IfIndex>
    </IpInUse>
  </DHCPServerIpInUse>
</DHCP>

```

Table description

Item	Description
Feature name	DHCP
Table name	DHCPServerIpInUse
Table type	Multi-instance table
Row name	IpInUse
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PoolIndex	DHCP address pool index	Index	Unsigned integer. Value range: 0 to 4096.	N/A
Ipv4Address	IP address allocated to client	N/A	String, dotted decimal notation.	N/A
CID	Client ID of the static binding	N/A	String, case-insensitive. Length: 4 to 254 characters.	The string can contain only hexadecimal numbers and hyphen (-), in the format of H-H-H.... The last H can be a two-digit or four-digit hexadecimal number while the other Hs must be all four-digit hexadecimal numbers. For example, aabb-cccc-dd is correct, and aabb-c-dddd and aabb-cc-dddd are not correct.
HAddress	Client hardware address of the	N/A	String, case-insensitive. Length: 4 to 79 characters.	The string can contain only hexadecimal

Column name	Column description	Column type	Data type and restrictions	Remarks
	static binding			numbers and hyphen (-), in the format of H-H-H.... The last H can be a two-digit or four-digit hexadecimal number while the other Hs must be all four-digit hexadecimal numbers. For example, aabb-cccc-dd is correct, and aabb-c-dddd and aabb-cc-dddd are not correct.
HType	Client hardware address of the static binding	N/A	Enumeration: <ul style="list-style-type: none"> 1—ethernet. 2—tokenRing. 	ethernet:the client hardware address type is Ethernet. tokenRing: the client hardware address type as token ring.
VLANID	VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094.	N/A
EndLease		N/A	String, case-insensitive. Length: 1 to 19 characters.	Format: month/day/year hour:minute:second (MM/DD/YYYY hh:mm:ss)
Type		N/A	Enumeration: <ul style="list-style-type: none"> 1—staticUnallocated. 2—staticOffered. 3—staticCommitted. 4—autoOffered. 5—autoCommitted. 	staticUnallocated: A free static binding whose IP address has not been assigned. staticOffered: An offered static binding whose IP address has been selected and sent by the DHCP server in a

Column name	Column description	Column type	Data type and restrictions	Remarks
				<p>DHCP-OFFER packet to the client.</p> <p>staticCommitted: A committed static binding whose IP address has been assigned to the DHCP client.</p> <p>autoOffered: An offered temporary dynamic binding whose IP address has been dynamically selected by the DHCP server and sent in a DHCP-OFFER packet to the DHCP client.</p> <p>autoCommitted: A committed dynamic binding whose IP address has been dynamically assigned to the DHCP client.</p>
IfIndex	Interface index		Unsigned integer.	N/A

DHCP/DHCPConfig

This table contains DHCP server and DHCP relay configuration information.

XML structure

```

<DHCP>
  <DHCPConfig>
    <DHCPEnable></DHCPEnable>
    <ServerConfig>
      <AlwaysBroadcast></AlwaysBroadcast>
      <IgnoreBOOTP></IgnoreBOOTP>
      <BOOTPReplyRFC1048></BOOTPReplyRFC1048>
      <Opt82Enabled></Opt82Enabled>
      <PingNumber></PingNumber>
    </ServerConfig>
  </DHCPConfig>
</DHCP>

```

```

        <PingTimeout></PingTimeout>
    </ServerConfig>
    <RelayConfig>
        <UserInfoRecord></UserInfoRecord>
        <UserInfoRefresh></UserInfoRefresh>
        <UserInfoFlushTime></UserInfoFlushTime>
    </RelayConfig>
</DHCPConfig>
</DHCP>

```

Table description

Item	Description
Feature name	DHCP
Table name	DHCPConfig
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DHCPEnable	Whether the function of DHCP is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
ServerConfig	The configuration of DHCP server	Data structure	Members include: <ul style="list-style-type: none"> AlwaysBroadcast Alert IgnoreBOOTP BOOTPReplyRFC 1048 Opt82Enabled PingNumber PingTimeout 	N/A
AlwaysBroadcast	Whether Enable the DHCP server to broadcast all	N/A	Boolean: <ul style="list-style-type: none"> true 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	responses or not.		<ul style="list-style-type: none"> false 	
IgnoreBOOTP	Whether Ignore BOOTP requests or not.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
BOOTPReplyRFC1048	Whether enable the DHCP server to send BOOTP responses in RFC 1048 format when it receives RFC 1048-incompliant BOOTP requests for statically bound addresses or not.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
Opt82Enabled	Whether enable the DHCP server to handle Option 82 or not.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
PingNumber	Maximum number of ping packets	N/A	Unsigned integer. Value range: 0 to 10.	To disable the address conflict detection, set the value to 0.
PingTimeout	Ping response timeout time on the DHCP server	N/A	Unsigned integer. Value range: 0 to 10000 milliseconds.	To disable the ping operation for address conflict detection, set the value to 0 milliseconds.
RelayConfig	The configuration of DHCP relay	Data structure	Members include: <ul style="list-style-type: none"> UserInfoRecord UserInfoRefresh UserInfoFlushTime 	N/A
UserInfoRecord	Whether the function of recording client information in relay entries is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
UserInfoRefresh	Whether enable the relay agent to periodically refresh dynamic relay entries or not.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
UserInfoFlushTime	Interval at which the DHCP relay agent periodically refreshes relay entries	N/A	Unsigned integer. Value range: 0 to 120 seconds.	To automatically calculate the refresh interval, set the value to 0 seconds.

DHCP/DHCPIfMode

This table contains DHCP interface mode information.

XML structure

```

<DHCP>
  <DHCPIfMode>
    <IfMode>
      <IfIndex></IfIndex>
      <Mode></Mode>
    </IfMode>
  </DHCPIfMode>
</DHCP>

```

Table description

Item	Description
Feature name	DHCP
Table name	DHCPIfMode
Table type	Multi-instance table
Row name	IfMode
Restrictions	This table supports only Layer 3 interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	N/A
Mode	DHCP mode	N/A	Enumeration: <ul style="list-style-type: none">• 0—None.• 1—Server.• 2—Relay.	N/A

DHCP/DHCPRelaySrvIPv4Address

This table contains DHCP servers on the DHCP relay agent information.

XML structure

```
<DHCP>
  <DHCPRelaySrvIPv4Address>
    <RelaySrvIPv4>
      <IfIndex></IfIndex>
      <Ipv4Address></Ipv4Address>
    </RelaySrvIPv4>
  </DHCPRelaySrvIPv4Address>
</DHCP>
```

Table description

Item	Description
Feature name	DHCP
Table name	DHCPRelaySrvIPv4Address
Table type	Multi-instance table
Row name	RelaySrvIPv4
Restrictions	This table supports only Layer 3 interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	N/A
Ipv4Address	DHCP servers IP address on the DHCP relay agent	Index	String, dotted decimal notation.	N/A

DHCP/DHCPRelayUserInfo

This table contains DHCP relay entries information.

XML structure

```
<DHCP>
  <DHCPRelayUserInfo>
    <RelayUserInfo>
      <VrfIndex></VrfIndex>
      <Ipv4Address></Ipv4Address>
      <MacAddress></MacAddress>
      <IfIndex></IfIndex>
    </RelayUserInfo>
  </DHCPRelayUserInfo>
</DHCP>
```

Table description

Item	Description
Feature name	DHCP
Table name	DHCPRelayUserInfo
Table type	Multi-instance table
Row name	RelayUserInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VrfIndex	Index of the VRF	Index	Unsigned integer.	0 means public network.
Ipv4Address	DHCP servers IP address on the DHCP relay agent	Index	String, dotted decimal notation.	N/A
MacAddress	MAC address	N/A	Six groups of two hexadecimal digits, hyphen-separated.	N/A
IfIndex	Interface Index	N/A	Unsigned integer.	0 means no interface information.

DHCP/DHCPServerPoolOption

This table contains DHCP server IP pool options information.

XML structure

```
<DHCP>
  <DHCPServerPoolOption>
    <IpPoolOption>
      <PoolIndex></PoolIndex>
      <OptionCode></OptionCode>
      <OptionValueHex></OptionValueHex>
      <OptionValueAscii></OptionValueAscii>
      <OptionValueIpAddresses></OptionValueIpAddresses>
    </IpPoolOption>
  </DHCPServerPoolOption>
</DHCP>
```

Table description

Item	Description
Feature name	DHCP
Table name	DHCPServerPoolOption
Table type	Multi-instance table

Row name	IpPoolOption
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PoolIndex	DHCP address pool index	Index	Unsigned integer. Value range: 0 to 4096.	The specified PoolIndex must already exist.
OptionCode	Number of the customized option	Index	Unsigned integer. Value range: 2 to 254.	Excluding 50 through 54, 56, 58, 59, 61, and 82.
OptionValueHex	Hex string as the option content	N/A	String, case insensitive. Length: 2 to 256 characters.	Hex string of even numbers from 2 to 256 as the option content.
OptionValueAscii	ASCII string as the option content	N/A	String, case sensitive. Length: 1 to 255 characters.	N/A
OptionValueIpAddresses	IP addresses as the option content	N/A	String, case insensitive. Length: 1 to 127 characters.	Separated by space if there are multiple addresses. Example: 1.1.1.1 2.2.2.2 3.3.3.3.

DHCP/ DHCPServerPoolStatistics

This table contains DHCP server pool statistics information.

XML structure

```

<DHCP>
  <DHCPServerPoolStatistics>
    <IpPoolStatistics>
      <PoolName></PoolName>
      <UsedIpNumber></UsedIpNumber>
      <ExpiredIpNumber></ExpiredIpNumber>
      <TotalIpNumber></TotalIpNumber>
    </IpPoolStatistics>
  </DHCPServerPoolStatistics>
</DHCP>

```

```

    </IpPoolStatistics>
  </DHCPServerPoolStatistics>
</DHCP>

```

Table description

Item	Description
Feature name	DHCP
Table name	DHCPServerPoolStatistics
Table type	Multi-instance table
Row name	IpPoolStatistics
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PoolName	DHCP pool name	Index	String.	N/A
UsedIpNumber	Number of used IP addresses in the address pool	N/A	Unsigned integer.	N/A
ExpiredIpNumber	Number of expired IP address leases in the address pool	N/A	Unsigned integer.	N/A
TotalIpNumber	Total number of IP addresses in the address pool	N/A	Unsigned integer.	N/A

DHCP/DHCPRelaySourceAddress

This table contains information about source IP addresses of the packets sent by the DHCP relay agent.

XML structure

```
<DHCP>
  <DHCPRelaySourceAddress>
    <RelaySrcAddr>
      <IfIndex></IfIndex>
      <Ipv4Address></Ipv4Address>
    </RelaySrcAddr>
  </DHCPRelaySourceAddress>
</DHCP>
```

Table description

Item	Description
Feature name	DHCP
Table name	DHCPRelaySourceAddress
Table type	Multi-instance table
Row name	RelaySrcAddr
Restrictions	This table supports only Layer 3 interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in <i>Ifmgr NETCONF XML API Configuration Reference</i> .
Ipv4Address	Source IP addresses of the packets sent by the DHCP relay	N/A	String, dotted decimal notation.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	agent			

DHCP/DHCPRelayInfoEnable

This table contains information about whether the DHCP relay agent support Option 82.

XML structure

```

<DHCP>
  <DHCPRelayInfoEnable>
    <RelayInfoEnable>
      <IfIndex></IfIndex>
      <InfoEnable></InfoEnable>
    </RelayInfoEnable>
  </DHCPRelayInfoEnable>
</DHCP>

```

Table description

Item	Description
Feature name	DHCP
Table name	DHCPRelayInfoEnable
Table type	Multi-instance table
Row name	RelayInfoEnable
Restrictions	This table supports only Layer 3 interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	Some versions support interface name. For related information, see the XSD document of your product. For information about

Column name	Column description	Column type	Data type and restrictions	Remarks
				IfIndex, see "Appendix" in <i>Ifmgr NETCONF XML API Configuration Reference</i> .
InfoEnable	Whether the DHCP relay agent support Option 82.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A

DHCP/DHCPServerLeaseInfo

This table contains DHCP server lease information.

XML structure

```

<DHCP>
  <DHCPServerLeaseInfo>
    <LeaseInfo>
      <VRF></VRF>
      <Ipv4Address></Ipv4Address>
      <MacAddress></MacAddress>
      <HostName></HostName>
      <Option55></Option55>
    </LeaseInfo>
  </DHCPServerLeaseInfo>
</DHCP>

```

Table description

Item	Description
Feature name	DHCP
Table name	DHCPServerLeaseInfo
Table type	Multi-instance table
Row name	LeaseInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VRF instance name	Index	String, case-sensitive. Length: 1 to 31 characters.	If the lease is on the public network, the length of characters is 0.
Ipv4Address	IP address allocated to client	Index	String, dotted decimal notation.	N/A
MacAddress	MAC address	N/A	Six groups of two hexadecimal digits, hyphen-separated.	N/A
HostName	Host name of the client	N/A	String, case insensitive. Length: 1 to 253 characters.	The length of characters is 0 when a specific client is used.
Option55	Parameter request list	N/A	String, case insensitive. Length: 2 to 510 characters.	The length of characters is 0 when a specific client is used.

DHCP/DHCPServerForbiddenIp

This table contains information about IP addresses excluded from dynamic allocation globally.

XML structure

```
<DHCP>
  <DHCPServerForbiddenIp>
    <ForbiddenIp>
      <VRF></VRF>
      <StartIpv4Address></StartIpv4Address>
      <EndIpv4Address></EndIpv4Address>
    </ForbiddenIp>
  </DHCPServerForbiddenIp>
</DHCP>
```

Table description

Item	Description
Feature name	DHCP
Table name	DHCPServerForbiddenIp
Table type	Multi-instance table
Row name	ForbiddenIp
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VRF instance name	Index	String, case-sensitive. Length: 1 to 31 characters.	If the lease is on the public network, the length of characters is 0.
StartIpv4Address	Start IP address of an IP address range that is excluded from dynamic allocation globally	Index	String, dotted decimal notation.	N/A
EndIpv4Address	End IP address of an IP address range that is excluded from dynamic allocation globally	Index	String, dotted decimal notation.	EndIpv4Address cannot be lower than the StartIpv4Address.

DHCP/ DHCPServerSubnetInUse

This table contains information about subnet allocation IP addresses.

XML structure

```
<DHCP>
  <DHCPServerSubnetInUse>
    <SubnetInUse>
      <VRF></VRF>
      <NetworkAddress></NetworkAddress>
      <NetworkMask></NetworkMask>
      <SubAllocMode></SubAllocMode>
      <VXLANID></VXLANID>
      <DPAAddress></DPAAddress>
      <UsedIpNumber></UsedIpNumber>
      <ExpiredIpNumber></ExpiredIpNumber>
      <TotalIpNumber></TotalIpNumber>
      <PoolName></PoolName>
    </SubnetInUse>
  </DHCPServerSubnetInUse>
</DHCP>
```

Table description

Item	Description
Feature name	DHCP
Table name	DHCPServerSubnetInUse
Table type	Multi-instance table
Row name	SubnetInUse
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VRF instance name	Index	String, case-sensitive. Length: 0 to 31 characters.	If the lease is on the public network, the length of characters is 0.
Network Address	Subnet Address	Index	String, dotted decimal notation.	N/A
NetworkMask	Subnet Mask	Index	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			Value range: 1 to 30.	
SubAllocMode	Subnet Alloc Mode	N/A	Enumeration: <ul style="list-style-type: none"> • 0—vxlanId. • 1—dp-address. 	If the subnet alloc by the vxlanId mode, the DP address cannot be displayed. If the subnet alloc by the dp-address mode, the vxlanId cannot be displayed.
VXLAN ID	VXLAN ID	N/A	Unsigned integer. Value range: 1 to 16777215.	N/A
DPAddress	DP Address	N/A	String, dotted decimal notation.	N/A
UsedIpNumber	Number of used IP addresses in subnet.	N/A	Unsigned integer.	N/A
ExpiredIpNumber	Number of expired IP addresses in subnet.	N/A	Unsigned integer.	N/A
TotalIpNumber	Total Number of allocated IP addresses in subnet	N/A	Unsigned integer.	N/A
PoolName	Subnet-alloc Pool Name	N/A	String.	N/A

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DHCPSP

DHCPSP/DHCPSPUpdateBindingDatabase

This table is used to save current DHCP snooping entries to the file.

XML structure

```
<DHCPSP>
  <DHCPSPUpdateBindingDatabase>
    <Update></Update>
  </DHCPSPUpdateBindingDatabase>
</DHCPSP>
```

Table description

Item	Description
Feature name	DHCPSP
Table name	DHCPSPUpdateBindingDatabase
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Update	Update DHCP snooping database immediately	N/A	String.	This column must be empty.

DHCPSP/DHCPSPClearBinding

This table is used to clear DHCP snooping entries.

XML structure

```
<DHCPSP>
  <DHCPSPClearBinding>
    <ClearBinding>
      <Ipv4Address></Ipv4Address>
      <VLANID></VLANID>
    </ClearBinding>
  </DHCPSPClearBinding>
</DHCPSP>
```

```

    </ClearBinding>
  </DHCPSPClearBinding>
</DHCPSP>

```

Table description

Item	Description
Feature name	DHCPSP
Table name	DHCPSPUpdateBindingDatabase
Table type	Multi-instance table
Row name	ClearBinding
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Ipv4Address	IPv4 address	Index	String, dotted decimal notation.	If Ipv4Address is empty, clears all DHCP snooping entries.
VLANID	VLAN ID	Index	Unsigned integer. Value range: 1 to 4094.	If VLANID is empty, clears the DHCP snooping entry for the specified IP address in all Vlan.

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Diagnostics event stream

CPUEvent event

This event is used to report CPU alarm information.

XML structure for event subscription

```
<CPUEvent>
  <CPU>
    <Chassis></Chassis>
    <Slot></Slot>
    <CPUID></CPUID>
  </CPU>
</CPUEvent>
```

Example:

```
<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"
xmlns:xs="http://www.h3c.com/netconf/base:1.0">
  <create-subscription xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
    <stream>Diagnostic</stream>
    <filter type="subtree">
      <CPUEvent xmlns="http://www.h3c.com/netconf/event:1.0/Diagnostic:1.0">
        <CPU>
          <Chassis>0</Chassis>
          <Slot>0</Slot>
          <CPUID>0</CPUID>
        </CPU>
      </CPUEvent>
    </filter>
  </create-subscription>
</rpc>
```

Table description

Item	Description
Event stream name	Diagnostic
Event name	CPUEvent
Event namespace	http://www.h3c.com/netconf/event:1.0/Diagnostic:1.0
Support for extended query	No

Columns

Column name	Column description	Data type and restrictions	Support for extended queries	Remarks
Chassis	Member ID of the	Unsigned integer.	No	N/A

Column name	Column description	Data type and restrictions	Support for extended queries	Remarks
	member device where the entity resides	Value range: 0 to 65535.		
Slot	Slot number of the device node	Unsigned integer. Value range: 0 to 65535.	No	N/A
CPUID	ID of the CPU.	Unsigned integer. Value range: 0 to 65535.	No	N/A

XML structure for event report

```

<CPUEvent>
  <CPU>
    <Chassis></Chassis>
    <Slot></Slot>
    <CPUID></CPUID>
    <Description></Description>
    <CPUUsage></CPUUsage>
    <Core>
      <CoreID></CoreID>
      <CPUUsage></CPUUsage>
      <Idle></Idle>
      <User></User>
      <Kernel></Kernel>
      <Interrupt></Interrupt>
    </Core>
    <Process>
      <JobID></JobID>
      <PID></PID>
      <Name></Name>
      <CPUUsage></CPUUsage>
      <Priority></Priority>
      <State></State>
      <FDs></FDs>
      <Memory></Memory>
      <RunTime></RunTime>
    </Process>
  </CPU>
</CPUEvent>

```

Example:

```

<notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
  <eventTime>2016-07-21T09:10:51</eventTime>
  <CPUEvent xmlns="http://www.h3c.com/netconf/event:1.0/Diagnostic:1.0">

```

```

<CPU>
  <Chassis>0</Chassis>
  <Slot>0</Slot>
  <CPUID>0</CPUID>
  <Description>CPU_THRESHOLD</Description>
  <CPUUsage>50</CPUUsage>
  <Core>
    <CoreID>0</CoreID>
    <CPUUsage>11.00</CPUUsage>
    <Idle>89.00</Idle>
    <User>4.00</User>
    <Kernel>5.00</Kernel>
    <Interrupt>2.00</Interrupt>
  </Core>
  .....
  <Core>
    <CoreID>7</CoreID>
    <CPUUsage>13.00</CPUUsage>
    <Idle>87.00</Idle>
    <User>5.00</User>
    <Kernel>5.00</Kernel>
    <Interrupt>3.00</Interrupt>
  </Core>
  <Process>
    <JobID>84</JobID>
    <PID>84</PID>
    <Name>diagd</Name>
    <CPUUsage>0.03</CPUUsage>
    <Priority>120</Priority>
    <State>R</State>
    <FDs>18</FDs>
    <Memory>10384</Memory>
    <RunTime>00:00:56</RunTime>
  </Process>
  .....
  <Process>
    <JobID>86</JobID>
    <PID>86</PID>
    <Name>syslogd</Name>
    <CPUUsage>0.03</CPUUsage>
    <Priority>120</Priority>
    <State>S</State>
    <FDs>30</FDs>
    <Memory>12984</Memory>
    <RunTime>00:00:36</RunTime>
  </Process>
</CPU>
</CPUEvent>

```

</notification>

Columns

Column name	Column description	Data type and restrictions	Remarks
Chassis	Member ID of the member device where the entity resides	Unsigned integer. Value range: 0 to 65535.	N/A
Slot	Slot number of the device node	Unsigned integer. Value range: 0 to 65535.	N/A
CPUID	ID of the CPU.	Unsigned integer. Value range: 0 to 65535.	N/A
Description	CPU event description.	Enumeration: <ul style="list-style-type: none">• CPU_THRESHOLD• CPU_THRESHOLD_RECOVERY• CPU_MINOR_THRESHOLD• CPU_MINOR_RECOVER	N/A
CPUUsage	CPU usage (%)	Unsigned integer. Value range: 0 to 100.	N/A
Core	CPUInfo of core	Members include: <ul style="list-style-type: none">• CoreID• CPUUsage• Idle• User• Kernel• Interrupt	N/A
CoreID	Core ID	Unsigned integer. Value range: 0 to 65535.	N/A
CPUUsage	Core CPU usage (%)	Double. Value range: 0 to 100. Formats: %.2f	Accurate to the second decimal place. Example: 12.34
Idle	CPU idle time ratio(%)	Double. Value range: 0 to 100. Formats: %.2f	Accurate to the second decimal place. Example: 12.34
User	Ratio of the time of processes executing in user mode to CPU total time(%)	Double. Value range: 0 to 100. Formats: %.2f	Accurate to the second decimal place. Example: 12.34
Kernel	Ratio of the time of processes executing in kernel mode to CPU total time (%)	Double. Value range: 0 to 100. Formats: %.2f	Accurate to the second decimal place. Example: 12.34
Interrupt	Ratio of the time of interrupt to total cpu	Double. Value range: 0 to 100.	Accurate to the second decimal place.

Column name	Column description	Data type and restrictions	Remarks
	time.	Formats: %.2f	Example: 12.34
Process	CPUInfo of process	Members include: <ul style="list-style-type: none"> • JobID • PID • Name • CPUUsage • Priority • State • FDs • Memory • RunTime 	N/A
JobID	Job ID	Unsigned integer. Value range: 1 to 2147483647.	N/A
PID	Process ID	Unsigned integer. Value range: 1 to 2147483647.	N/A
Name	Process name	String. Length: 1 to 255 characters.	Only report the top 10 cpusage processes.
CPUUsage	CPUUsage of Process	Double. Value range: 0 to 100. Formats: %.2f	N/A
Priority	Process priority	Unsigned integer. Value range: 0 to 65535.	N/A
State	Running state of process	Enumeration: <ul style="list-style-type: none"> • R—Running. • S—Sleeping. • T—Traced or stopped. • D—Uninterruptible sleep. • Z—Zombie. 	N/A
FDs	File descriptions of process	Unsigned integer. Value range: 0 to 4294967295.	N/A
Memory	Size of the process memory space(KB)	Unsigned integer. Value range: 0 to 4294967295.	N/A
RunTime	Runtime of process	String. Formats: <ul style="list-style-type: none"> • HH:MM:SS Runtime < 100h • HHh Runtime >= 100h 	N/A

MemoryEvent event

This event is used to report memory alarm information.

XML structure for event subscription

```
<MemoryEvent>
  <Memory>
    <Chassis></Chassis>
    <Slot></Slot>
    <CPUID></CPUID>
  </Memory>
</MemoryEvent>
```

Example:

```
<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"
xmlns:xs="http://www.h3c.com/netconf/base:1.0">
  <create-subscription xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
    <stream>Diagnostic</stream>
    <filter type="subtree">
      <MemoryEvent xmlns="http://www.h3c.com/netconf/event:1.0/Diagnostic:1.0">
        <Memory>
          <Chassis>0</Chassis>
          <Slot>0</Slot>
          <CPUID>0</CPUID>
        </Memory>
      </MemoryEvent>
    </filter>
  </create-subscription>
</rpc>
```

Table description

Item	Description
Event stream name	Diagnostic
Event name	MemoryEvent
Event namespace	http://www.h3c.com/netconf/event:1.0/Diagnostic:1.0
Support for extended query	No

Columns

Column name	Column description	Data type and restrictions	Support for extended queries
Chassis	Member ID of the member device where the entity resides.	Unsigned integer. Value range: 0 to 65535.	No
Slot	Slot number of the device node.	Unsigned integer. Value range: 0 to 65535.	No
CPUID	CPU Identification.	Unsigned integer. Value range: 0 to 65535.	No

XML structure for event report

```
<MemoryEvent>
  <Memory>
    <Chassis></Chassis>
    <Slot></Slot>
    <CPUID></CPUID>
    <Description></Description>
    <Total></Total>
    <Used></Used>
    <Free></Free>
    <FreeRatio></FreeRatio>
    <LowTotal></LowTotal>
    <LowFree></LowFree>
    <HighTotal></HighTotal>
    <HighFree></HighFree>
    <TopUsageProcess>
      <JID></JID>
      <Name></Name>
      <Used></Used>
    </TopUsageProcess>
    <TopUsageSlub>
      <Name></Name>
      <Used></Used>
    </TopUsageSlub>
  </Memory>
</MemoryEvent>
```

Example:

```
<notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
  <eventTime>2016-07-21T09:10:51</eventTime>
  <MemoryEvent xmlns="http://www.h3c.com/netconf/event:1.0/Diagnostic:1.0">
    <Memory>
      <Chassis>0</Chassis>
      <Slot>0</Slot>
      <CPUID>0</CPUID>
      <Description>Normal</Description>
      <Total>1199160</Total>
      <Used>773500</Used>
      <Free>425660</Free>
      <FreeRatio>35</FreeRatio>
      <LowTotal>895096</LowTotal>
      <LowFree>425060</LowFree>
      <HighTotal>304064</HighTotal>
      <HighFree>600</HighFree>
      <TopUsageProcess>
        <JID>1</JID>
        <Name>scmd</Name>
```



```

        <Used>8868</Used>
    </TopUsageProcess>
    .....
    <TopUsageProcess>
        <JID>78</JID>
        <Name>fsd</Name>
        <Used>5668</Used>
    </TopUsageProcess>
    <TopUsageSlub>
        <Name>kmalloc-524280</Name>
        <Used>524280</Used>
    </TopUsageSlub>
    .....
    <TopUsageSlub>
        <Name>tcpcb</Name>
        <Used>856</Used>
    </TopUsageSlub>
</Memory>
</MemoryEvent>
</notification>

```

Columns

Column name	Column description	Data type and restrictions	Remarks
Chassis	Member ID of the member device where the entity resides.	Unsigned integer. Value range: 0 to 65535.	N/A
Slot	Slot number of the device node.	Unsigned integer. Value range: 0 to 65535.	N/A
CPUID	CPU Identification.	Unsigned integer. Value range: 0 to 65535.	N/A
Description	Memory event description.	Enumeration: <ul style="list-style-type: none"> MEM_EARLYWARNING_THR ESHOLD MEM_EARLYWARNING_REC OVER MEM_MINOR_THRESHOLD MEM_MINOR_RECOVER MEM_SEVERE_THRESHOLD MEM_SEVERE_RECOVER MEM_CRITICAL_THRESHOL D MEM_CRITICAL_RECOVER 	N/A
Total	Total memory size (KB)	Unsigned integer. Value range: 0 to 4294967295.	N/A
Used	Size of the used memory space(KB)	Unsigned integer. Value range: 0 to 4294967295.	N/A
Free	Size of the free	Unsigned integer.	N/A

Column name	Column description	Data type and restrictions	Remarks
	memory space (KB)	Value range: 0 to 4294967295.	
FreeRatio	Free memory Ratio(%)	Unsigned integer. Value range: 0 to 100.	N/A
LowTotal	Total LowMem size (KB)	Unsigned integer. Value range: 0 to 4294967295.	N/A
LowFree	Size of the free LowMem space (KB)	Unsigned integer. Value range: 0 to 4294967295.	N/A
HighTotal	Total HighMem size (KB)	Unsigned integer. Value range: 0 to 4294967295.	N/A
HighFree	Size of the free HighMem space (KB)	Unsigned integer. Value range: 0 to 4294967295.	N/A
TopUsageProcesses	Memory Info of top usage process	Members include: <ul style="list-style-type: none"> JID Name Used 	Only report the top 10 memory usage processes.
JID	Process Job ID	Unsigned integer. Value range: 1 to 2147483647.	N/A
Name	Process name	String. Length: 1 to 255 characters.	N/A
Used	Size of the process used memory space(KB)	Unsigned integer. Value range: 0 to 4294967295.	N/A
TopUsageSlub	Memory Info of top usage slub	Members include: <ul style="list-style-type: none"> Name Used 	Only report the top 10 memory usage target.
Name	Target name	String. Length: 1 to 255 characters.	N/A
Used	Size of the target used memory space(KB)	Unsigned integer. Value range: 0 to 4294967295.	N/A

CoreEvent event

This event is used to report core alarm information.

XML structure for event subscription

```

<CoreEvent>
  <Cores>
    <Chassis></Chassis>
    <Slot></Slot>
    <CPUID></CPUID>
  </Cores>
</CoreEvent>

```

```

    <CoreID></CoreID>
  </Cores>
</CoreEvent>

```

Example:

```

<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"
xmlns:xs="http://www.h3c.com/netconf/base:1.0">
  <create-subscription xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
    <stream>Diagnostic</stream>
    <filter type="subtree">
      <CoreEvent xmlns="http://www.h3c.com/netconf/event:1.0/Diagnostic:1.0">
        <Cores>
          <Chassis>0</Chassis>
          <Slot>0</Slot>
          <CPUID>0</CPUID>
          <CoreID>0</CoreID>
        </Cores>
      </CoreEvent>
    </filter>
  </create-subscription>
</rpc>

```

Table description

Item	Description
Event stream name	Diagnostic
Event name	CoreEvent
Event namespace	http://www.h3c.com/netconf/event:1.0/Diagnostic:1.0
Support for extended query	No

Columns

Column name	Column description	Data type and restrictions	Support for extended queries	Remarks
Chassis	Member ID of the member where the device resides	Unsigned integer. Value range: 0 to 65535.	No	N/A
Slot	Slot number of the card	Unsigned integer. Value range: 0 to 65535.	No	N/A
CPUID	ID of the CPU.	Unsigned integer. Value range: 0 to 65535.	No	N/A
CoreID	ID of the Core.	Unsigned integer. Value range: 0 to 65535.	No	N/A

XML structure for event report

```
<CoreEvent>
  <Cores>
    <Chassis></Chassis>
    <Slot></Slot>
    <CPUID></CPUID>
    <CoreID></CoreID>
    <CoreUsage></CoreUsage>
    <CoreThreshold></CoreThreshold>
    <CpuLast5sUsage></CpuLast5sUsage>
    <CpuLast1mUsage></CpuLast1mUsage>
    <CpuLast5mUsage></CpuLast5mUsage>
  </Cores>
  <Process>
    <Name></Name>
    <CPU></CPU>
    <JobID></JobID>
    <PID></PID>
    <PPID></PPID>
    <InLast5sUsage></InLast5sUsage>
    <InLast1mUsage></InLast1mUsage>
    <InLast5mUsage></InLast5mUsage>
    <State></State>
    <Memory></Memory>
  </Process>
</CoreEvent>
```

Example:

```
<notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
  <eventTime>2016-07-21T09:10:51</eventTime>
  <CoreEvent xmlns="http://www.h3c.com/netconf/event:1.0/Diagnostic:1.0">
    <Cores>
      <Chassis>0</Chassis>
      <Slot>0</Slot>
      <CPUID>0</CPUID>
      <CoreID>0</CoreID>
      <CoreUsage>6</CoreUsage>
      <CoreThreshold>5</CoreThreshold>
      <CpuLast5sUsage>3.12%</CpuLast5sUsage>
      <CpuLast1mUsage>2.56%</CpuLast1mUsage>
      <CpuLast5mUsage>5.23%</CpuLast5mUsage>
    </Cores>
    <Process>
      <Name>diagd</Name>
      <CPU>0</CPU>
      <JobID>84</JobID>
      <PID>84</PID>
      <InLast5sUsage>10.0%</InLast5sUsage>
```

```

    <InLast1mUsage>6.0%</InLast1mUsage>
    <InLast5mUsage>5.3%</InLast5mUsage>
    <State>R</State>
    <Memory>10384</Memory>
  </Process>
  .....
  <Process>
    <Name>syslogd</Name>
    <CPU>0</CPU>
    <JobID>86</JobID>
    <PID>86</PID>
    <Name>syslogd</Name>
    <InLast5sUsage>10.0%</InLast5sUsage>
    <InLast1mUsage>6.0%</InLast1mUsage>
    <InLast5mUsage>5.3%</InLast5mUsage>
    <State>S</State>
    <Memory>12984</Memory>
  </Process>
</Cores>
</CoreEvent>
</notification>

```

Columns

Column name	Column description	Data type and restrictions	Remarks
Chassis	Member ID of the member device where the entity resides	Unsigned integer. Value range: 0 to 65535.	N/A
Slot	Slot number of the card	Unsigned integer. Value range: 0 to 65535.	N/A
CPUID	ID of the CPU.	Unsigned integer. Value range: 0 to 65535.	N/A
CoreID	ID of the Core.	Unsigned integer. Value range: 0 to 65535.	N/A
CoreUsage	Core usage (%)	Unsigned integer. Value range: 0 to 100.	In last 30 minutes the core usage
CpuLast5sUsage	The core on CPU usage (%)	Double. Value range:0 to 100. Formats: %.2f	In last 5 seconds the CPU usage.
CpuLast1mUsage	The core on CPU usage (%)	Double. Value range:0 to 100. Formats: %.2f	In last 1 minute the CPU usage.
CpuLast5mUsage	The core on CPU usage (%)	Double. Value range:0 to 100.	In last 5 minutes the CPU usage.

Column name	Column description	Data type and restrictions	Remarks
		Formats: %.2f	
CoreThreshold	Core usage threshold	Unsigned integer. Value range: 2 to 100.	N/A
Process	High-core processes usage	Members include: <ul style="list-style-type: none"> • Name • CPU • JobID • PID • InLast5sUsage • InLast1mUsage • InLast5mUsage • State • Memory 	Only the top high-core usage processes are reported
Name	Process name	String. Length: 1 to 255 characters.	N/A
CPU	Core that held one of the top high-core usage processes when the high-core usage alarm was issued	Unsigned integer. Value range: 0 to 65535.	N/A
JobID	Job ID	Unsigned integer. Value range: 1 to 2147483647.	N/A
PID	Process ID	Unsigned integer. Value range: 1 to 2147483647.	N/A
InLast5sUsage	Usage in the most recent 5-second interval (%)	Double. Value range: 0 to 100. Formats: %.1f	N/A
InLast1mUsage	Usage in the most recent 1-minute interval (%)	Double. Value range: 0 to 100. Formats: %.1f	N/A
InLast5mUsage	Usage in the most recent 5-minute interval (%)	Double. Value range: 0 to 100. Formats: %.1f	N/A
State	Running state of process	Enumeration: <ul style="list-style-type: none"> • R—Running. • S—Sleeping. • T—Traced or stopped. • D—Uninterruptible sleep. • Z—Zombie. 	N/A
Memory	Size of the process memory space(KB)	Unsigned integer. Value range: 0 to 4294967295.	N/A

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DNS

DNS/DNSHost

This table contains DNS host configuration information.

XML structure

```
<DNS>
  <DNSHost>
    <Host>
      <VRF></VRF>
      <HostName></HostName>
      <Type></Type>
      <QueryType></QueryType>
      <Result></Result>
    </Host>
  </DNSHost>
</DNS>
```

Table description

Item	Description
Feature name	DNS
Table name	DNSHost
Table type	Multi-instance table
Row name	Host
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VRF instance name	Index	String, case sensitive. Length: 1 to 31 characters.	If the DNS host is on the public network, the length of characters is 0.
HostName	Host name	Index	String, case insensitive. Length: 1 to 253 characters.	It can include letters, digits, hyphens (-), underscores (_), and dots (.).

Column name	Column description	Column type	Data type and restrictions	Remarks
Type	Domain name-to-IP address mapping type	Index	Enumeration: • 1—Static.	N/A
QueryType	Query type	Index	Enumeration: • 1—A. • 2—AAAA.	A type A query resolves a domain name to the mapped IPv4 address. A type AAAA query resolves a domain name to the mapped IPv6 address.
Result	Replied result	N/A	String, case insensitive. Length: 1 to 45 characters.	Required. An IPv4 address as QueryType is A, an IPv6 address as QueryType is AAAA.

DNS/DNSServer

This table contains DNS server configuration information.

XML structure

```

<DNS>
  <DNSServer>
    <Server>
      <VRF></VRF>
      <Type></Type>
      <AddressType></AddressType>
      <IpAddress></IpAddress>
      <IfIndex></IfIndex>
    </Server>
  </DNSServer>
</DNS>

```

Table description

Item	Description
Feature name	DNS
Table name	DNSServer
Table type	Multi-instance table
Row name	Server
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VRF instance name	Index	String, case sensitive. Length: 1 to 31 characters.	If the DNS server is on the public network, the length of characters is 0.
Type	DNS server type	Index	Enumeration: • 1—Static.	N/A
AddressType	Type of the DNS server IP address	Index	Enumeration: • 1—IPv4. • 2—IPv6.	N/A
IpAddress	IP address of the DNS server	Index	String, case insensitive. Length: 1 to 45 characters.	IPv4 address string as AddressType is IPv4, IPv6 address string as AddressType is IPv6.
IfIndex	Output interface Index	Index	Unsigned integer.	Must and can only be specified when the IPv6 address of the DNS server is a link-local address. Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in Ifmgr NETCONF XML API Configuration Reference.

DNS/DNSDomain

This table contains domain name suffix configuration information.

XML structure

```

<DNS>
  <DNSDomain>
    <Domain>
      <VRF></VRF>
      <Type></Type>
      <DomainName></DomainName>
    </Domain>
  </DNSDomain>
</DNS>

```

Table description

Item	Description
Feature name	DNS
Table name	DNSDomain
Table type	Multi-instance table
Row name	Domain
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VRF instance name	Index	String, case sensitive. Length: 1 to 31 characters.	If the domain name suffix is on the public network, the length of characters is 0.
Type	Domain name suffix type	Index	Enumeration: <ul style="list-style-type: none">1—Static.	N/A
DomainName	Domain name suffix	Index	String, case insensitive. Length: 1 to 253 characters.	It is a dot-separated, case-insensitive string that can include letters, digits, hyphens (-), underscores (_), and dots (.) (for example, aabbcc.com). The domain name suffix can include at most 253 characters, and each separated string includes no more than 63 characters.

DNS/DNSConfig

This table contains DNS configuration information.

XML structure

```
<DNS>
  <DNSConfig>
    <DNSProxyEnable></DNSProxyEnable>
    <DNSDSCP></DNSDSCP>
    <DNSDSCP6></DNSDSCP6>
  </DNSConfig>
</DNS>
```

Table description

Item	Description
Feature name	DNS
Table name	DNSConfig
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DNSProxyEnable	Whether the function of DNS proxy is enabled	N/A	Boolean: <ul style="list-style-type: none">truefalse(default)	Support for this function depends on the device model.
DNSDSCP	DSCP value for DNS packets sent by a DNS client or DNS proxy	N/A	Unsigned integer. Value range: 0 to 63. Default: 0.	N/A
DNSDSCP6	DSCP value for IPv6 DNS packets sent by an IPv6 DNS client or DNS proxy	N/A	Unsigned integer. Value range: 0 to 63. Default: 0.	N/A

DNS/DNSIfServer

This table contains DNS server of interface information.

XML structure

```
<DNS>
  <DNSIfServer>
    <Server>
      <IfIndex></IfIndex>
      <VRF></VRF>
      <Type></Type>
      <AddressType></AddressType>
      <IpAddress></IpAddress>
      <IfIndexOut></IfIndexOut>
    </Server>
  </DNSIfServer>
</DNS>
```

Table description

Item	Description
Feature name	DNS
Table name	DNSIfServer
Table type	Multi-instance table
Row name	Server
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface Index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product.
VRF	VRF instance name	Index	String, case sensitive. Length: 1 to 31 characters.	If the DNS server is on the public network, the length of characters is 0.
Type	DNS server type	Index	Enumeration: • 1—Static.	N/A
AddressType	Type of the DNS server IP address	Index	Enumeration: • 1—IPv4. • 2—IPv6.	N/A
IpAddress	IP address of the DNS server	Index	String, case insensitive. Length: 1 to 45 characters.	IPv4 address string as AddressType is IPv4, IPv6 address string as AddressType is IPv6.
IfIndexOut	Output interface Index	Index	Unsigned integer.	Must and can only be specified when the IPv6 address of the DNS server is a link-local address. Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in Ifmgr NETCONF XML API Configuration Reference.

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Domain

Domain/GlobalConfig

Global domain configuration information table.

XML structure

```
<Domain>
  <GlobalConfig>
    <DefaultDomain></DefaultDomain>
    <IfUnknownDomain></IfUnknownDomain>
  </GlobalConfig>
</Domain>
```

Table description

Item	Description
Feature name	Domain
Table name	GlobalConfig
Table type	Single-instance table
Row name	None
Restrictions	A maximum of 16 domains can be created.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DefaultDomain	Default domain.	N/A	String, case-insensitive. Length: 1 to 255 characters.	By default, the default domain is the predefined domain named system.
IfUnknownDomain	ISP domain that accommodates users assigned to nonexistent domains.	N/A	String, case-insensitive. Length: 1 to 255 characters. The domain name can't contain the following characters: \ / : * ? " < > @	N/A

Domain/SessionLimit

The maximum number of concurrent users that can log on to the device through the specified method.

XML structure

```
<Domain>
  <SessionLimit>
    <Ftp></Ftp>
    <Telnet></Telnet>
    <Http></Http>
    <Ssh></Ssh>
    <Https></Https>
  </SessionLimit>
</Domain>
```

Table description

Item	Description
Feature name	Domain
Table name	SessionLimit
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Ftp	Maximum number of concurrent FTP users.	N/A	Unsigned integer. Value range: 1 to 64.	Default: 32. <ul style="list-style-type: none">In non-FIPS mode, the value for this column can take effect.In FIPS mode, this column is ignored.
Telnet	Maximum number of concurrent Telnet users.	N/A	Unsigned integer. Value range: 1 to 32.	Default: 32. <ul style="list-style-type: none">In non-FIPS mode, the value for this column can take effect.In FIPS mode, this column is ignored.
Http	Maximum number of concurrent HTTP users.	N/A	Unsigned integer. Value range: 1 to 64.	Default: 32. <ul style="list-style-type: none">In non-FIPS mode, the value for this column can take effect.In FIPS mode, this column is ignored.

Column name	Column description	Column type	Data type and restrictions	Remarks
Ssh	Maximum number of concurrent SSH users.	N/A	Unsigned integer. Value range: 1 to 32.	Default: 32.
Https	Maximum number of concurrent HTTPS users.	N/A	Unsigned integer. Value range: 1 to 64.	Default: 32.

Domain/Domains

Basic domain information table.

XML structure

```

<Domain>
  <Domains>
    <Domain>
      <DomainName></DomainName>
      <SessTimeIncldeIdle></SessTimeIncldeIdle>
      <AcctStartFailAction></AcctStartFailAction>
      <ServiceType></ServiceType>
      <AuthorAttrs>
        <IdleTime></IdleTime>
        <IdleFlow></IdleFlow>
        <ProfileName></ProfileName>
        <IpPoolName></IpPoolName>
        <Ipv6PoolName></Ipv6PoolName>
        <Ipv6Address></Ipv6Address>
        <Ipv6PrefixLength></Ipv6PrefixLength>
        <PrimDnsIpaddr></PrimDnsIpaddr>
        <PrimDnsIpv6addr></PrimDnsIpv6addr>
        <SecDnsIpaddr></SecDnsIpaddr>
        <SecDnsIpv6addr></SecDnsIpv6addr>
        <PortalUrl></PortalUrl>
        <VRF></VRF>
        <IgmpMaxAccessNum></IgmpMaxAccessNum>
        <MldMaxAccessNum></MldMaxAccessNum>
        <SessTimeOut></SessTimeOut>

      </AuthorAttrs>
    </Domain>
  </Domains>
</Domain>

```

Table description

Item	Description
Feature name	Domain
Table name	Domains
Table type	Multi-instance table
Row name	Domain
Restrictions	A maximum of 16 domains can be created. The domain named system is predefined and can't be deleted.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DomainName	Domain name.	Index	String, case-insensitive. Length: 1 to 255 characters. The domain name can't contain the following characters: \ / : * ? " < > @	A predefined domain named system exists.
SessTimeIncl deldle	Whether to include the idle cut period or user online detection period in the user online duration to be sent to the server.	N/A	Boolean: <ul style="list-style-type: none"> true—The idle cut period or user online detection period is included in the user online duration to be sent to the server. false—The idle cut period or user online detection period is excluded from the user online duration to be sent to the server. 	Default: false. Only portal users support the user online detection period.
AcctStartFail Action	Access control for users that encounter accounting-start failures.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Allow the users to stay online. 1—Log off the users. 	Default: 0.
ServiceType	Service type of the domain.	N/A	Enumeration: <ul style="list-style-type: none"> 0—High-Speed Internet (HSI) service. 1—Set Top Box (STB) service. 2—Voice over IP (VoIP) service. 	Default: 0.
AuthorAttrs	Authorization attributes.	Data structure	Members include: <ul style="list-style-type: none"> IdleTime. IdleFlow. ProfileName. IpPoolName. Ipv6PoolName. 	N/A

			<ul style="list-style-type: none"> • Ipv6Address. • Ipv6PrefixLength. • PrimDnsIpaddr. • PrimDnsIpv6addr. • SecDnsIpaddr. • SecDnsIpv6addr. • PortalUrl. • VRF. • IgmpMaxAccessNum. • MldMaxAccessNum. • SessTimeOut. 	
IdleTime	Idle timeout period.	N/A	Unsigned integer. Value range: 1 to 600, in minutes.	N/A
IdleFlow	The minimum traffic that must be generated in the idle timeout period.	N/A	Unsigned integer. Value range: 1 to 10240000, in bytes.	Default: 10240 bytes.
ProfileName	User profile name.	N/A	String, case-sensitive. Length: 1 to 31 characters.	Valid characters include letters, digits, and underscores (_). The name must start with a letter and must be unique.
IpPoolName	IPv4 address pool name.	N/A	String, case-sensitive. Length: 1 to 63 characters.	N/A
Ipv6PoolName	IPv6 address pool name.	N/A	String, case-sensitive. Length: 1 to 63 characters.	N/A
Ipv6Address	IPv6 address for specifying the prefix.	N/A	Hexadecimal string, colon-separated.	For example, 2001:12::22:33.
Ipv6PrefixLength	IPv6 prefix length.	N/A	Unsigned integer. Value range: 1 to 128.	N/A
PrimDnsIpaddr	IPv4 address of the primary DNS server.	N/A	IPv4: String, dotted decimal notation.	IPv4 example: 10.1.1.1.
PrimDnsIpv6addr	IPv6 address of the primary DNS server.	N/A	IPv6: Hexadecimal string.	IPv6 example: 2001:12::22:33.
SecDnsIpaddr	IPv4 address of the secondary DNS server.	N/A	IPv4: String, dotted decimal notation.	IPv4 example: 10.1.1.1.
SecDnsIpv6addr	IPv6 address of the secondary DNS server.	N/A	IPv6: Hexadecimal string.	IPv6 example: 2001:12::22:33.
PortalUrl	Portal redirect URL.	N/A	String, case-sensitive. Length: 1 to 255 characters.	N/A
VRF	VRF name.	N/A	String, case-sensitive. Length: 1 to 31 characters.	N/A

IgmpMaxAccessNum	The maximum number of IGMP groups that an IPv4 user can join concurrently.	N/A	Unsigned integer. Value range: 1 to 64.	Default: 4.
MldMaxAccessNum	The maximum number of MLD groups that an IPv6 user can join concurrently.	N/A	Unsigned integer. Value range: 1 to 64.	Default: 4.
SessTimeOut	Session timeout timer.	N/A	Unsigned integer. Value range: 1 to 4294967295.	Users are logged off when the session timeout timer expires for the users.

Domain/Schemes

Domain scheme table.

XML structure

```

<Domain>
  <Schemes>
    <Scheme>
      <DomainName></DomainName>
      <AaaType></AaaType>
      <AccessType></AccessType>
      <SchemeList></SchemeList>
      <SchemeNameList></SchemeNameList>
    </Scheme>
  </Schemes>
</Domain>

```

Table description

Item	Description
Feature name	Domain
Table name	Schemes
Table type	Multi-instance table
Row name	Scheme
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DomainName	Domain name.	Index	String, case-insensitive. Length: 1 to 255 characters.	N/A
AaaType	AAA type.	Index	Enumeration: <ul style="list-style-type: none"> • 0—Authentication. • 4—Authorization. • 5—Accounting. 	There are some restrictions among the column AccessType, the column AaaType, and the column SchemeList. Those restrictions will be described in the Restrictions section below the table.
AccessType	Access type.	Index	Enumeration: <ul style="list-style-type: none"> • 0—Login. • 1—Super. • 2—Command. • 3—LAN access. • 4—PPP. • 5—Default. • 6—Portal. • 7—IKE. • 8—IPoE. • 9—SSL VPN. • 10—ADVPN. 	
SchemeList	AAA method types.	N/A	String. Length: 1 to 9 characters, using the format of 1-2-4. The hyphen (-) is used to separate the digits that represent different AAA methods, including: <ul style="list-style-type: none"> • 1—HWTACACS. • 2—RADIUS. • 3—LDAP. • 4—Local. • 5—None. The string 1-2-4 indicates that HWTACACS is specified as the primary authentication, authorization, or accounting method. If the HWTACACS method fails, the RADIUS method applies. If the RADIUS method fails, the local method applies.	
SchemeNameList	Scheme name list.	N/A	String, case-insensitive. Length: 0 to 68 characters, may contain 0 to 2 scheme names. Every scheme name contains two parts: Scheme name length and scheme name string. The scheme name is in the	If this column is not available, no schemes are specified.

Column name	Column description	Column type	Data type and restrictions	Remarks
			<p>format of xxmm.....mm.</p> <ul style="list-style-type: none"> The xx argument represents the scheme name length. Use two digits to set the scheme name length. The mm.....mm argument represents the scheme name string. The string is 1 to 32 characters. <p>For example:</p> <ul style="list-style-type: none"> The string 08abcdefgh represents a scheme whose name is abcdefgh and whose name length is 8 characters. The string 10testtestte04test represents two schemes. One scheme is named as testtestte and the name length is 10 characters. The other scheme is named as test and the name length is 4 characters. 	

Restrictions:

- The letter Y indicates that a specific access type supports a specific method for authentication, authorization, or accounting.
- You can specify one primary method and multiple backup methods for authentication, authorization, or accounting. An AAA method with a lower level can be the backup of another method that has a higher level. The following list arranges the methods from high level to low level:
 - RADIUS, TACACS, and LDAP.
 - Local.
 - None.

Among the highest-level methods, the RADIUS method and TACACS method can be the backup of each other.

- In FIPS mode, all access types can't use the none method for authentication, authorization, or accounting.

AAA method (level)		RADIUS (3)	TACACS (3)	LDAP (3)	Local (2)	None (1)
Access type +AAA type						
Default	Authentication	Y	Y	Y	Y	Y
	Authorization	Y	Y		Y	Y
	Accounting	Y	Y		Y	Y
Login	Authentication	Y	Y	Y	Y	Y

	Authorization	Y	Y		Y	Y
	Accounting	Y	Y		Y	Y
Super	Authentication	Y	Y			
Command	Authorization		Y		Y	Y
	Accounting		Y			
LAN access (MAC authentication or 802.1X)	Authentication	Y		Y	Y	Y
	Authorization	Y			Y	Y
	Accounting	Y			Y	Y
PPP	Authentication	Y	Y		Y	Y
	Authorization	Y	Y		Y	Y
	Accounting	Y	Y		Y	Y
Portal	Authentication	Y		Y	Y	Y
	Authorization	Y			Y	Y
	Accounting	Y			Y	Y
IKE	Authentication	Y			Y	Y
IPoE	Authentication	Y			Y	Y
	Authorization	Y			Y	Y
	Accounting	Y			Y	Y
SSL VPN	Authentication	Y		Y	Y	Y
	Authorization	Y		Y	Y	Y
	Accounting	Y			Y	Y
ADVPN	Authentication	Y			Y	Y
	Authorization	Y			Y	Y
	Accounting	Y			Y	Y

Domain/BroadcastSchemes

RADIUS broadcast scheme table for a domain.

XML structure

```

<Domain>
  <BroadcastSchemes>
    <BroadcastScheme>
      <DomainName></DomainName>
      <AccessType></AccessType>
      <SchemeName></SchemeName>
    </BroadcastScheme>
  </BroadcastSchemes>
</Domain>

```


Table description

Item	Description
Feature name	Domain
Table name	BroadcastSchemes
Table type	Multi-instance table
Row name	BroadcastScheme
Restrictions	Configure this table only for domains that have been configured RADIUS accounting.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DomainName	Domain name.	Index	String, case-insensitive. Length: 1 to 255 characters. The name can't contain the following characters: \ / : * ? " < > @	N/A
AccessType	Access type.	Index	Enumeration: <ul style="list-style-type: none">• 3—LAN access.• 4—PPP.• 6—Portal.• 8—IPoE.	At present, only one RADIUS broadcast scheme is supported for a domain.
SchemeName	RADIUS scheme name.	Index	String. Length: 1 to 32 characters.	

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Domain

Domain/GlobalConfig

Global domain configuration information table.

XML structure

```
<Domain>
  <GlobalConfig>
    <DefaultDomain></DefaultDomain>
    <IfUnknownDomain></IfUnknownDomain>
  </GlobalConfig>
</Domain>
```

Table description

Item	Description
Feature name	Domain
Table name	GlobalConfig
Table type	Single-instance table
Row name	None
Restrictions	A maximum of 16 domains can be created.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DefaultDomain	Default domain.	N/A	String, case-insensitive. Length: 1 to 255 characters.	By default, the default domain is the predefined domain named system.
IfUnknownDomain	ISP domain that accommodates users assigned to nonexistent domains.	N/A	String, case-insensitive. Length: 1 to 255 characters. The domain name cannot contain the following characters: \ / : * ? " < > @	N/A

Domain/SessionLimit

The maximum number of concurrent users that can log on to the device through the specific method.

XML structure

```
<Domain>
  <SessionLimit>
    <Ftp></Ftp>
    <Telnet></Telnet>
    <Http></Http>
    <Ssh></Ssh>
    <Https></Https>
  </SessionLimit>
</Domain>
```

Table description

Item	Description
Feature name	Domain
Table name	SessionLimit
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Ftp	Maximum number of concurrent FTP users.	N/A	Unsigned integer. Value range: 1 to 64.	Default: 32. <ul style="list-style-type: none">In non-FIPS mode, the value for this column can take effect.In FIPS mode, this column is ignored.
Telnet	Maximum number of concurrent Telnet users.	N/A	Unsigned integer. Value range: 1 to 32.	Default: 32. <ul style="list-style-type: none">In non-FIPS mode, the value for this column can take effect.In FIPS mode, this column is ignored.
Http	Maximum number of concurrent HTTP users.	N/A	Unsigned integer. Value range: 1 to 64.	Default: 32. <ul style="list-style-type: none">In non-FIPS mode, the value for this column can take effect.In FIPS mode, this column is ignored.
Ssh	Maximum number of concurrent SSH	N/A	Unsigned integer. Value range: 1 to 32.	Default: 32.

Column name	Column description	Column type	Data type and restrictions	Remarks
	users.			
Https	Maximum number of concurrent HTTPS users.	N/A	Unsigned integer. Value range: 1 to 64.	Default: 32.

Domain/Domains

Basic domain information table.

XML structure

```

<Domain>
  <Domains>
    <Domain>
      <DomainName></DomainName>
      <SessTimeIncldeIdle></SessTimeIncldeIdle>
      <State></State>
      <AcctStartFailAction></AcctStartFailAction>
      <ServiceType></ServiceType>
      <AuthorAttrs>
        <IdleTime></IdleTime>
        <IdleFlow></IdleFlow>
        <ProfileName></ProfileName>
        <IpPoolName></IpPoolName>
        <Ipv6PoolName></Ipv6PoolName>
        <Ipv6Address></Ipv6Address>
        <Ipv6PrefixLength></Ipv6PrefixLength>
        <PrimDnsIpaddr></PrimDnsIpaddr>
        <PrimDnsIpv6addr></PrimDnsIpv6addr>
        <SecDnsIpaddr></SecDnsIpaddr>
        <SecDnsIpv6addr></SecDnsIpv6addr>
        <PortalUrl></PortalUrl>
        <VRF></VRF>
        <IgmpMaxAccessNum></IgmpMaxAccessNum>
        <MldMaxAccessNum></MldMaxAccessNum>
        <SessTimeOut></SessTimeOut>
      </AuthorAttrs>
    </Domain>
  </Domains>
</Domain>

```

Table description

Item	Description
Feature name	Domain
Table name	Domains
Table type	Multi-instance table
Row name	Domain
Restrictions	A maximum of 16 domains can be created. The domain named system is predefined and cannot be deleted.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DomainName	Domain name.	Index	String, case-insensitive. Length: 1 to 255 characters. The domain name cannot contain the following characters: \ / : * ? " < > @	A predefined domain named system exists.
SessTimeIncl deldle	Whether to include the idle cut period or user online detection period in the user online duration to be sent to the server.	N/A	Boolean: <ul style="list-style-type: none"> True—The idle cut period or user online detection period is included in the user online duration to be sent to the server. False—The idle cut period or user online detection period is excluded from the user online duration to be sent to the server. 	Default: false. Only portal users support the user online detection period.
State	Status of the domain.	N/A	Boolean: <ul style="list-style-type: none"> 0—Blocked. 1—Active. 	Default: 1.
AcctStartFail Action	Access control for users that encounter accounting-start failures.	N/A	Boolean: <ul style="list-style-type: none"> 0—Allow the users to stay online. 1—Log off the users. 	Default: 0.
ServiceType	Service type of the domain.	N/A	Enumeration: <ul style="list-style-type: none"> 0—High-Speed Internet (HSI) service. 1—Set Top Box (STB) service. 2—Voice over IP (VoIP) service. 	Default: 0.
AuthorAttrs	Authorization attributes.	Data structure	Members include: <ul style="list-style-type: none"> IdleTime. IdleFlow. ProfileName. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> • IpPoolName. • Ipv6PoolName. • Ipv6Address. • Ipv6PrefixLength. • PrimDnsIpaddr. • PrimDnsIpv6addr. • SecDnsIpaddr. • SecDnsIpv6addr. • PortalUrl. • VRF. • IgmpMaxAccessNum. • MldMaxAccessNum. • SessTimeOut. 	
IdleTime	Idle timeout period.	N/A	Unsigned integer. Value range: 1 to 600, in minutes.	N/A
IdleFlow	The minimum traffic that must be generated in the idle timeout period.	N/A	Unsigned integer. Value range: 1 to 10240000, in bytes.	Default: 10240 bytes.
ProfileName	User profile name.	N/A	String, case-sensitive. Length: 1 to 31 characters.	Valid characters include letters, digits, and underscores (_). The name must start with a letter and must be unique.
IpPoolName	IPv4 address pool name.	N/A	String, case-sensitive. Length: 1 to 63 characters.	N/A
Ipv6PoolName	IPv6 address pool name.	N/A	String, case-sensitive. Length: 1 to 63 characters.	N/A
Ipv6Address	IPv6 address for specifying the prefix.	N/A	Hexadecimal string, colon-separated.	For example, 2001:12::22:33.
Ipv6PrefixLength	IPv6 prefix length.	N/A	Unsigned integer. Value range: 1 to 128.	N/A
PrimDnsIpaddr	IPv4 address of the primary DNS server.	N/A	IPv4: String, dotted decimal notation.	IPv4 example: 1.1.1.1.
PrimDnsIpv6addr	IPv6 address of the primary DNS server.	N/A	IPv6: Hexadecimal string.	IPv6 example: 1:2:3:4:5:6:7:8.
SecDnsIpaddr	IPv4 address of the secondary DNS server.	N/A	IPv4: String, dotted decimal notation.	IPv4 example: 1.1.1.1.
SecDnsIpv6addr	IPv6 address of the secondary DNS server.	N/A	IPv6: Hexadecimal string.	IPv6 example: 1:2:3:4:5:6:7:8.

Column name	Column description	Column type	Data type and restrictions	Remarks
PortalUrl	Portal redirect URL.	N/A	String, case-sensitive. Length: 1 to 255 characters.	N/A
VRF	VRF name.	N/A	String, case-sensitive. Length: 1 to 31 characters.	N/A
IgmpMaxAccessNum	The maximum number of IGMP groups that an IPv4 user can join concurrently.	N/A	Unsigned integer. Value range: 1 to 64.	Default: 4.
MldMaxAccessNum	The maximum number of MLD groups that an IPv6 user can join concurrently.	N/A	Unsigned integer. Value range: 1 to 64.	Default: 4.
SessTimeOut	The users will be offline when the time is over.	N/A	Unsigned integer. Value range: 1 to 4294967295.	N/A

Domain/Schemes

Domain scheme table.

XML structure

```

<Domain>
  <Schemes>
    <Scheme>
      <DomainName></DomainName>
      <AaaType></AaaType>
      <AccessType></AccessType>
      <SchemeList></SchemeList>
      <SchemeNameList></SchemeNameList>
    </Scheme>
  </Schemes>
</Domain>

```

Table description

Item	Description
Feature name	Domain
Table name	Schemes
Table type	Multi-instance table
Row name	Scheme
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DomainName	Domain name.	Index	String, case-insensitive. Length: 1 to 255 characters.	N/A
AaaType	AAA type.	Index	Enumeration: <ul style="list-style-type: none"> • 0—Authentication. • 4—Authorization. • 5—Accounting. 	<p>There are some restrictions among the columns AccessType, AaaType, and SchemeList. Those restrictions will be described in the Restrictions section below the table.</p>
AccessType	Access type.	Index	Enumeration: <ul style="list-style-type: none"> • 0—Login. • 1—Super. • 2—Command. • 3—LAN access. • 4—PPP. • 5—Default. • 6—Portal. • 7—IKE. • 8—IPoE. • 9—SSL VPN. • 10—ADVPN. 	
SchemeList	AAA method types.	N/A	String. Length: 1 to 9 characters, using the format of 1-2-4. A hyphen (-) is used to separate the digits that represent different AAA methods, including: <ul style="list-style-type: none"> • 1—HWTACACS. • 2—RADIUS. • 3—LDAP. • 4—Local. • 5—None. <p>The string 1-2-4 indicates that HWTACACS is specified as the primary authentication, authorization, or accounting method. If the HWTACACS method fails, the RADIUS method applies. If the RADIUS method fails, the local method applies.</p>	
SchemeNameList	Scheme name list.	N/A	String, case-insensitive. Length: 0 to 68 characters, which can contain 0 to 2 scheme names. Every scheme name contains two parts: Scheme name length and scheme name string. The scheme name is in the	

Column name	Column description	Column type	Data type and restrictions	Remarks
			<p>format of xxmm.....mm.</p> <ul style="list-style-type: none"> The xx argument represents the scheme name length. Use two digits to set the scheme name length. The mm.....mm argument represents the scheme name string. The string is 1 to 32 characters. <p>For example:</p> <ul style="list-style-type: none"> The string 08abcdefgh represents a scheme whose name is abcdefgh and whose name length is 8 characters. The string 10testtestte04test represents two schemes. One scheme is named as testtestte and the name length is 10 characters. The other scheme is named as test and the name length is 4 characters. 	

Restrictions:

- The letter Y indicates that a specific access type supports a specific method for authentication, authorization, or accounting.
- You can specify one primary method and multiple backup methods for authentication, authorization, or accounting. An AAA method with a lower level can be the backup of another method that has a higher level. The following list arranges the methods from high level to low level:
 - RADIUS, TACACS, or LDAP.
 - Local.
 - None.

Among the highest-level methods, the RADIUS method and the TACACS method can be the backup of each other.

- In FIPS mode, all access types cannot use the none method for authentication, authorization, or accounting.

AAA method (level)		RADIUS (3)	TACACS (3)	LDAP (3)	Local (2)	None (1)
Access type +AAA type	Default	Y	Y	Y	Y	Y
	Authentication	Y	Y	Y	Y	Y
	Authorization	Y	Y		Y	Y
Login	Accounting	Y	Y		Y	Y
	Authentication	Y	Y	Y	Y	Y
	Authorization	Y	Y		Y	Y

	Accounting	Y	Y		Y	Y
Super	Authentication	Y	Y			
Command	Authorization		Y		Y	Y
	Accounting		Y			
LAN access (MAC authentication or 802.1X)	Authentication	Y		Y	Y	Y
	Authorization	Y			Y	Y
	Accounting	Y			Y	Y
PPP	Authentication	Y	Y		Y	Y
	Authorization	Y	Y		Y	Y
	Accounting	Y	Y		Y	Y
Portal	Authentication	Y		Y	Y	Y
	Authorization	Y			Y	Y
	Accounting	Y			Y	Y
IKE	Authentication	Y			Y	Y
IPoE	Authentication	Y			Y	Y
	Authorization	Y			Y	Y
	Accounting	Y			Y	Y
SSL VPN	Authentication	Y		Y	Y	Y
	Authorization	Y		Y	Y	Y
	Accounting	Y			Y	Y
ADVPN	Authentication	Y			Y	Y
	Authorization	Y			Y	Y
	Accounting	Y			Y	Y

Domain/BroadcastSchemes

RADIUS broadcast scheme table for a domain.

XML structure

```

<Domain>
  <BroadcastSchemes>
    <BroadcastScheme>
      <DomainName></DomainName>
      <AccessType></AccessType>
      <SchemeName></SchemeName>
    </BroadcastScheme>
  </BroadcastSchemes>
</Domain>

```

Table description

Item	Description
Feature name	Domain
Table name	BroadcastSchemes
Table type	Multi-instance table
Row name	BroadcastScheme
Restrictions	Configure this table only for domains that have been configured RADIUS accounting.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DomainName	Domain name.	Index	String, case-insensitive. Length: 1 to 255 characters. The name can't contain the following characters: \ / : * ? " < > @	N/A
AccessType	Access type.	Index	Enumeration: <ul style="list-style-type: none">• 3—LAN access.• 4—PPP.• 6—Portal.• 8—IPoE.	At present, only one RADIUS broadcast scheme is supported for a domain.
SchemeName	RADIUS scheme name.	Index	String. Length: 1 to 32 characters.	

Domain/Specification

The domain feature capability differs on different devices or on the same device in different states.

- Additional description for the table Domain/SessionLimit, including what service types are supported on the device in the current state. The device can limit the number of concurrent online users only for the service types that are supported in the current state.
- Additional description for the table Domain/Schemes. Whether the device supports the none method as the authentication, authorization, or accounting method.

XML structure

```
<Domain>
  <Specification>
    <SessionLimitSpecification>
      <Ftp></Ftp>
      <Telnet></Telnet>
      <Http></Http>
    </SessionLimitSpecification>
    <SchemesSpecification>
```

```

    <None></None>
  </SchemesSpecification>
</Specification>
</Domain>

```

Table description

Item	Description
Feature name	Domain
Table name	Specification
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SessionLimit Specification	Additional description for the table Domain/Session Limit.	Data structure	Members include: <ul style="list-style-type: none"> Ftp. Telnet. Http. 	N/A
Ftp	Whether to support the column Ftp in the table Domain/Session Limit.	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	<ul style="list-style-type: none"> In FIPS mode, the default is false. In non-FIPS mode, the default is true.
Telnet	Whether to support the column Telnet in the table Domain/Session Limit.	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	
Http	Whether to support the column Http in the table Domain/Session Limit.	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	
SchemesSpecification	Additional description for the table Domain/Schemes.	Data structure	The member is None.	N/A
None	Whether to support the none method for authentication, authorization, and accounting.	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	In FIPS mode, the none method is not supported for authentication, authorization, or accounting of all users.

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XML structure	6
Table description	6
Columns	6

DRNI

DRNI/Base

This table contains DRNI Base information.

XML structure

```
<DRNI>
  <Base>
    <SystemMAC></SystemMAC>
    <SystemPriority></SystemPriority>
    <SystemNumber></SystemNumber>
    <RestoreDelay></RestoreDelay>
    <AutoRecoveryReloadDelay></AutoRecoveryReloadDelay>
  </Base>
</DRNI>
```

Table description

Item	Description
Feature name	DRNI
Table name	Base
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SystemMAC	DR system MAC address	N/A	Six groups of two hexadecimal digits, hyphen-separated.	Example: 0-1-0-1-0-1 Configure the same DR MAC address for the DR member devices in a DR system.
SystemPriority	DR system priority	N/A	Unsigned integer. Value range: 0 to 65535.	Configure the same DR system priority for the DR member devices in a DR system.
SystemNumber	DR system number	N/A	Unsigned integer. Value range: 1 or 2.	Assign different DR system numbers to the DR member devices in a DR system.

RestoreDelay	Data restoration interval in seconds	N/A	Unsigned integer. Value range: 1 to 3600. Default: 30.	N/A
AutoRecoveryReloadDelay	Reload delay timer in seconds for DR system auto-recovery	N/A	Unsigned integer. Value range: 240 to 3600.	N/A

DRNI/Role

This table contains DRNI Role information.

XML structure

```
<DRNI>
  <Role>
    <LocalRolePriority></LocalRolePriority>
  </Role>
</DRNI>
```

Table description

Item	Description
Feature name	DRNI
Table name	Role
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LocalRolePriority	DR role priority of the local DR member device	N/A	Unsigned integer. Value range: 0 to 65535. Default: 32768.	The lower the value, the higher the priority.

DRNI/Keepalive

This table contains DRNI Keepalive information.

XML structure

```
<DRNI>
  <Keepalive>
    <IPV4Addr>
      <KeepaliveDestinationIPV4></KeepaliveDestinationIPV4>
      <KeepaliveSourceIPV4></KeepaliveSourceIPV4>
    </IPV4Addr>
    <IPV6Addr>
      <KeepaliveDestinationIPV6></KeepaliveDestinationIPV6>
      <KeepaliveSourceIPV6></KeepaliveSourceIPV6>
    </IPV6Addr>
    <KeepaliveUDPPort></KeepaliveUDPPort>
    <KeepaliveInterval></KeepaliveInterval>
    <KeepaliveTimeout></KeepaliveTimeout>
    <KeepaliveHoldTime></KeepaliveHoldTime>
    <VRF></VRF>
  </Keepalive>
</DRNI>
```

Table description

Item	Description
Feature name	DRNI
Table name	Keepalive
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IPV4Addr	Source and destination IPv4 address of the keepalive link	Data structure	Members include: <ul style="list-style-type: none">KeepaliveDestinationIPV4.KeepaliveSourceIPV4.	N/A
KeepaliveDestinationIPV4	Destination IPv4 address of the keepalive link	N/A	String,dotted decimal notation.	Example: 1.1.1.1
KeepaliveSourceIPV4	Source IPv4 address of the keepalive link	N/A	String,dotted decimal notation.	Example: 1.1.1.2 This column must be with the KeepaliveDestinationIPV4 column.

IPv6Addr	Source and destination IPv6 address of the keepalive link	Data structure	Members include: <ul style="list-style-type: none"> KeepaliveDestinationIPv6. KeepaliveSourceIPv6. 	N/A
KeepaliveDestinationIPv6	Destination IPv6 address of the keepalive link	N/A	Hexadecimal string,colon-separated.	Example: 1:1::1:1
KeepaliveSourceIPv6	Source IPv6 address of the keepalive link	N/A	Hexadecimal string,colon-separated.	Example: 1:1::1:2 This column must be with the KeepaliveDestinationIPv6 column.
KeepaliveUDPPort	Keepalive destination UDP port	N/A	Unsigned integer. Value range: 1 to 65535. Default: 6400	The KeepaliveUDPPort must be with the IP address and KeepaliveUDPPort will be deleted when you delete IP address.
KeepaliveInterval	Keepalive interval in milliseconds	N/A	Unsigned integer Value range: 100 to 10000. Default: 1000.	N/A
KeepaliveTimeout	Keepalive timeout time in seconds	N/A	Unsigned integer. Value range: 3 to 20 Default: 5.	The DR keepalive timeout timer must be two times the DR keepalive interval at minimum.
KeepaliveHoldTime	Keepalive hold time in seconds	N/A	Unsigned integer. Value range: 3 to 10. Default: 3.	N/A
VRF	VRF instance name	N/A	String, case-sensitive. Length: 0 to 31 characters.	If the local device is on the public network, the length of the string is 0.

DRNI/IPPTable

This table contains information about IPP ports.

XML structure

```

<DRNI>
  <IPPTable>
    <IPP>
      <IPPNumb></IPPNumb>
      <IfIndex></IfIndex>
    </IPP>
  </IPPTable>
</DRNI>

```

Table description

Item	Description
Feature name	DRNI
Table name	IPPTable
Table type	Multi-instance table
Row name	IPP
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IPPNNumber	IPP ID	Index	Unsigned integer.	The IPP ID must be fixed at 1.
IfIndex	Interface index	N/A	Unsigned integer.	N/A

DRNI/DRPortTable

This table contains information about DR ports.

XML structure

```
<DRNI>
  <DRPortTable>
    <DRPort>
      <DRGroupId></DRGroupId>
      <IfIndex></IfIndex>
    </DRPort>
  </DRPortTable>
</DRNI>
```

Table description

Item	Description
Feature name	DRNI
Table name	DRPortTable
Table type	Multi-instance table
Row name	DRPort
Restrictions	None

Support for row creation and deletion	Yes
---------------------------------------	-----

Columns

Column name	Column description	Column type	Data type and restrictions
DRGroupId	DR group ID	Index	Unsigned integer. Value range: 1 to 1024.
IfIndex	IfIndex value of the Layer 2 aggregate interface	N/A	Unsigned integer.

DRNI/PortTable

This table contains information about DRNI ports.

XML structure

```

<DRNI>
  <PortTable>
    <Port>
      <IfIndex></IfIndex>
      <DrpShortPeriodEnable></DrpShortPeriodEnable>
    </Port>
  </PortTable>
</DRNI>

```

Table description

Item	Description
Feature name	DRNI
Table name	PortTable
Table type	Multi-instance table
Row name	Port
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index	Index	Unsigned integer.

DrcpShortPeriodEnable	Short DRCP timeout timer flag	N/A	Boolean: <ul style="list-style-type: none"> • true—Enable the short DRCP timeout timer. • false—Disabled the short DRCP timeout timer.
-----------------------	-------------------------------	-----	--

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DRNI

DRNI/Base

This table contains DRNI Base information.

XML structure

```
<DRNI>
  <Base>
    <SystemMAC></SystemMAC>
    <SystemPriority></SystemPriority>
    <SystemNumber></SystemNumber>
    <RestoreDelay></RestoreDelay>
    <AutoRecoveryReloadDelay></AutoRecoveryReloadDelay>
  </Base>
</DRNI>
```

Table description

Item	Description
Feature name	DRNI
Table name	Base
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SystemMAC	DR system MAC address	N/A	Six groups of two hexadecimal digits, hyphen-separated.	Example: 0-1-0-1-0-1. Configure the same DR MAC address for the DR member devices in a DR system.
SystemPriority	DR system priority	N/A	Unsigned integer. Value range: 0 to 65535.	Configure the same DR system priority for the DR member devices in a DR system.
SystemNumber	DR system number	N/A	Unsigned integer. Value range: 1 to 2.	Assign different DR system numbers to the DR member devices in a DR system.
RestoreDelay	Data restoration	N/A	Unsigned integer.	N/A

	interval in seconds		Value range: 1 to 3600.	
AutoRecoveryReloadDelay	Reload delay timer in seconds for DR system auto-recovery	N/A	Unsigned integer. Value range: 240 to 3600.	N/A

DRNI/Role

This table contains DRNI Role information.

XML structure

```

<DRNI>
  <Role>
    <LocalRolePriority></LocalRolePriority>
    <PeerRolePriority></PeerRolePriority>
    <LocalBridgeMAC></LocalBridgeMAC>
    <PeerBridgeMAC></PeerBridgeMAC>
    <LocalConfiguredRole></LocalConfiguredRole>
    <PeerConfiguredRole></PeerConfiguredRole>
    <LocalEffectiveRole></LocalEffectiveRole>
    <PeerEffectiveRole></PeerEffectiveRole>
  </Role>
</DRNI>

```

Table description

Item	Description
Feature name	DRNI
Table name	Role
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LocalRolePriority	DR role priority of the local DR member device	N/A	Unsigned integer. Value range: 0 to 65535.	The lower the value, the higher the priority.
PeerRolePriority	DR role priority of the peer DR member device	N/A	Unsigned integer. Value range: 0 to 65535.	The lower the value, the higher the priority.

LocalBridgeMAC	Bridge MAC address of the local DR member device	N/A	Six groups of two hexadecimal digits,hyphen-separated.	N/A
PeerBridgeMAC	Bridge MAC address of the peer DR member device	N/A	Six groups of two hexadecimal digits,hyphen-separated.	N/A
LocalConfiguredRole	DR role calculated based on the role priority and bridge MAC address of the local DR member device	N/A	Enumeration: <ul style="list-style-type: none"> 0—none. 1—primary. 2—secondary. 	N/A
PeerConfiguredRole	DR role calculated based on the role priority and bridge MAC address of the peer DR member device	N/A	Enumeration: <ul style="list-style-type: none"> 0—none. 1—primary. 2—secondary. 	N/A
LocalEffectiveRole	Current role of the local DR member device	N/A	Enumeration: <ul style="list-style-type: none"> 0—none. 1—primary. 2—secondary. 	N/A
PeerEffectiveRole	Current role of the peer DR member device	N/A	Enumeration: <ul style="list-style-type: none"> 0—none. 1—primary. 2—secondary. 	N/A

DRNI/Keepalive

This table contains DRNI Keepalive information.

XML structure

```

<DRNI>
  <Keepalive>
    <IPV4Addr>
      <KeepaliveDestinationIPV4></KeepaliveDestinationIPV4>
      <KeepaliveSourceIPV4></KeepaliveSourceIPV4>
    </IPV4Addr>
    <IPV6Addr>
      <KeepaliveDestinationIPV6></KeepaliveDestinationIPV6>
      <KeepaliveSourceIPV6></KeepaliveSourceIPV6>
    </IPV6Addr>
    <KeepaliveUDPPort></KeepaliveUDPPort>
    <KeepaliveInterval></KeepaliveInterval>
    <KeepaliveTimeout></KeepaliveTimeout>
  </Keepalive>
</DRNI>

```

```

    <KeepaliveHoldTime></KeepaliveHoldTime>
    <KeepaliveLinkStatus></KeepaliveLinkStatus>
    <VRF></VRF>
  </Keepalive>
</DRNI>

```

Table description

Item	Description
Feature name	DRNI
Table name	Keepalive
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IPv4Addr	Source and destination IPv4 address of the keepalive link	Data structure	Members include: <ul style="list-style-type: none"> KeepaliveDestinationIPv4. KeepaliveSourceIPv4. 	N/A
KeepaliveDestinationIPv4	Destination IPv4 address of the keepalive link	N/A	String,dotted decimal notation.	Example: 1.1.1.1
KeepaliveSourceIPv4	Source IPv4 address of the keepalive link	N/A	String,dotted decimal notation.	Example: 1.1.1.2 This column must be with the KeepaliveDestinationIPv4 column.
IPv6Addr	Source and destination IPv6 address of the keepalive link	Data structure	Members include: <ul style="list-style-type: none"> KeepaliveDestinationIPv6. KeepaliveSourceIPv6. 	N/A
KeepaliveDestinationIPv6	Destination IPv6 address of the keepalive link	N/A	Hexadecimal string,colon-separated.	Example: 1:1::1:1
KeepaliveSourceIPv6	Source IPv6 address of the keepalive link	N/A	Hexadecimal string,colon-separated.	Example: 1:1::1:2 This column must be with the KeepaliveDestinationIPv6 column.
KeepaliveUDPPort	Keepalive destination UDP port	N/A	Unsigned integer. Value range: 1 to 65535.	The KeepaliveUDPPort must be with the IP address and KeepaliveUDPPort will be deleted when you

				delete IP address.
KeepaliveInterval	Keepalive Interval in milliseconds	N/A	Unsigned integer. Value range: 100 to 10000.	N/A
KeepaliveTimeout	Keepalive timeout time in seconds	N/A	Unsigned integer. Value range: 3 to 20.	The DR keepalive timeout timer must be two times the DR keepalive interval at minimum.
KeepaliveHoldTime	Keepalive hold time in seconds	N/A	Unsigned integer. Value range: 3 to 10.	N/A
KeepaliveLinkStatus	Keepalive link status	N/A	Enumeration: <ul style="list-style-type: none"> 0—unknown. 1—up. 2—down. 	N/A
VRF	VPN instance name	N/A	String, case-sensitive. Length: 0 to 31 characters.	If the local device is on the public network, the length of the string is 0.

DRNI/IPPTable

This table contains DRNI IPP information

XML structure

```

<DRNI>
  <IPPTable>
    <IPP>
      <IPPNNumber></IPPNNumber>
      <IfIndex></IfIndex>
    </IPP>
  </IPPTable>
</DRNI>

```

Table description

Item	Description
Feature name	DRNI
Table name	IPPTable
Table type	Multi -instance table
Row name	IPP
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IPPNNumber	IPP ID	Index	Unsigned integer. Value range: 1.	The IPP ID must be fixed at 1.
IfIndex	Interface index	N/A	Unsigned integer.	N/A

DRNI/DRPortTable

This table contains information about DR ports.

XML structure

```
<DRNI>
  <DRPortTable>
    <DRPort>
      <DRGroupId></DRGroupId>
      <IfIndex></IfIndex>
    </DRPort>
  </DRPortTable>
</DRNI>
```

Table description

Item	Description
Feature name	DRNI
Table name	DRPortTable
Table type	Multi-instance table
Row name	DRPort
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
DRGroupId	DR group ID	Index	Unsigned integer. Value range: 1 to 1024.
IfIndex	IfIndex value of the Layer 2 aggregate interface	N/A	Unsigned integer.

DRNI/PortTable

This table contains information about DRNI ports.

XML structure

```
<DRNI>
  <PortTable>
    <Port>
      <IfIndex></IfIndex>
      <DrpcShortPeriodEnable></DrpcShortPeriodEnable>
      <PortStatus></PortStatus>
      <LocalDRCPState></LocalDRCPState>
      <PeerDRCPState></PeerDRCPState>
      <LocalSelectedMemberList></LocalSelectedMemberList>
      <PeerSelectedMemberList></PeerSelectedMemberList>
    </Port>
  </PortTable>
</DRNI>
```

Table description

Item	Description
Feature name	DRNI
Table name	PortTable
Table type	Multi-instance table
Row name	Port
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index	Index	Unsigned integer.
DrpcShortPeriodEnable	Short DRCP timeout timer flag	N/A	Boolean: <ul style="list-style-type: none">true—Enable the short DRCP timeout timer.false—Disabled the short DRCP timeout timer.
PortStatus	Port status	N/A	Enumeration: <ul style="list-style-type: none">0—down.1—up.
LocalDRCPState	DRCP state on the local port	N/A	DRCP state flags. The flag field is one byte long, represented by ABCDEFGH from the

			<p>lowest bit to the highest bit. A letter is displayed when its bit is 1 and is not displayed when its bit is 0.</p> <ul style="list-style-type: none"> • A—Indicates whether DRCP is enabled on the local device. 1 indicates enabled. 0 indicates disabled. • B—Indicates whether DRCP is enabled on the DR peer. 1 indicates enabled. 0 indicates disabled. • C—Indicates whether DRCP is enabled on a third DR member device. 1 indicates enabled. 0 indicates disabled. • D—Indicates whether the local IPP has determined that DRCP is enabled on the DR peer. 1 indicates yes. 0 indicates no. • E—Indicates the DRCP timeout timer. 1 indicates the short timeout timer. 0 indicates the long timeout timer. • F—Indicates whether the local IPP permits the packets that contain the negotiated gateway conversation IDs. 1 indicates yes. 0 indicates no. • G—Indicates whether the local IPP permits the packets that contain the negotiated port conversation IDs. 1 indicates yes. 0 indicates no. • H—Indicates whether the local DRCPDU receive machine is in default or expired state. 1 indicates yes. 0 indicates no.
PeerDRCPState	DRCP state on the peer port	N/A	This column has the same data type and restrictions as LocalDRCPState .
LocalSelectedMemberList	Local DR member device's selected aggregate member ports in a distributed relay group	N/A	<p>Bitmap. No length restrictions.</p> <p>Each octet within this value specifies a set of eight ports, with the first octet specifying ports 1 through 8, the second octet specifying ports 9 through 16, and so on. Within each octet, the most significant bit represents the lowest numbered port, and the least significant bit represents</p>

			the highest numbered port.Each port of the bridge is represented by a single bit within the value of this object.If a bit has a value of 1 then the port is included in the set of ports;a port is not included if its bit has a value of 0.
PeerSelected MemberList	Peer DR member device's selected aggregate member ports in a distributed relay group	N/A	This column has the same data type and restrictions as LocalSelectedMemberList .

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DRNI event stream

BaseInfoEvent event

This event is used to report DRNI BaseInfo.

XML structure for event subscription

```
<BaseInfoEvent>
</BaseInfoEvent>
```

Example:

```
<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"
xmlns:xs="http://www.h3c.com/netconf/base:1.0">
  <create-subscription xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
    <stream>DRNI</stream>
    <filter type="subtree">
      <BaseInfoEvent xmlns="http://www.h3c.com/netconf/event:1.0/DRNI:1.0">
      </BaseInfoEvent>
    </filter>
  </create-subscription>
</rpc>
```

Table description

Item	Description
Event stream name	DRNI
Event name	BaseInfoEvent
Event namespace	http://www.h3c.com/netconf/event:1.0/DRNI:1.0
Support for extended query	No

XML structure for event report

```
<BaseInfoEvent>
  <BaseInfo>
    <SystemMAC></SystemMAC>
    <OperationType></OperationType>
  </BaseInfo>
</BaseInfoEvent>
```

Example:

```
<notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
  <eventTime>2016-07-21T09:10:51</eventTime>
  <BaseInfoEvent xmlns="http://www.h3c.com/netconf/event:1.0/DRNI:1.0">
    <BaseInfo>
      <SystemMAC>00-01-00-01-00-01</SystemMAC>
      <OperationType>1</OperationType>
```

```

        </BaseInfo>
    </BaseInfoEvent>
</notification>

```

Table description

Column name	Column description	Data type and restrictions	Support for extended query	Remarks
SystemMAC	DR system MAC address	Six groups of two hexadecimal digits, hyphen-separated. Example: 00-01-00-01-00-01.	No	You must configure the same DR system MAC address for the DR member devices in a DR system.
OperationType	Operation type	Enumeration: <ul style="list-style-type: none"> 1—Create. 2—Modify. 3—Delete. 	No	The operation type specifies the operation that DRNI BaseInfo should perform.

RoleInfoEvent event

This event is used to report DRNI RoleInfo.

XML structure for event subscription

```

<RoleInfoEvent>
</RoleInfoEvent>

```

Example:

```

<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"
xmlns:xs="http://www.h3c.com/netconf/base:1.0">
    <create-subscription xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
        <stream>DRNI</stream>
        <filter type="subtree">
            <RoleInfoEvent xmlns="http://www.h3c.com/netconf/event:1.0/DRNI:1.0">
                </RoleInfoEvent>
            </filter>
        </create-subscription>
    </rpc>

```

Table description

Item	Description
Event stream name	DRNI
Event name	RoleInfoEvent
Event namespace	http://www.h3c.com/netconf/event:1.0/DRNI:1.0
Support for extended query	No

XML structure for event report

```
<RoleInfoEvent>
  <LocalBridgeMAC></LocalBridgeMAC>
  <PeerBridgeMAC></PeerBridgeMAC>
</RoleInfoEvent>
```

Example:

```
<notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
  <eventTime>2016-07-21T09:10:51</eventTime>
  <RoleInfoEvent xmlns="http://www.h3c.com/netconf/event:1.0/DRNI:1.0">
    <RoleInfo>
      <LocalBridgeMAC>00-01-00-01-00-01</LocalBridgeMAC>
      <PeerBridgeMAC>00-01-00-01-00-03</PeerBridgeMAC>
    </RoleInfo>
  </RoleInfoEvent>
</notification>
```

Table description

Column name	Column description	Data type and restrictions	Support for extended query
LocalBridgeMAC	Bridge MAC address of the local device	Six groups of two hexadecimal digits, hyphen-separated. Example: 00-01-00-01-00-01.	No
PeerBridgeMAC	Bridge MAC address of the peer device	Six groups of two hexadecimal digits, hyphen-separated. Example: 00-01-00-01-00-01.	No

PortInfoEvent event

This event is used to report DRNI PortInfo.

XML structure for event subscription

```
<PortInfoEvent>
</PortInfoEvent>
```

Example:

```
<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"
xmlns:xs="http://www.h3c.com/netconf/base:1.0">
  <create-subscription xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
    <stream>DRNI</stream>
    <filter type="subtree">
      <PortInfoEvent xmlns="http://www.h3c.com/netconf/event:1.0/DRNI:1.0">
        </PortInfoEvent>
      </filter>
    </create-subscription>
  </rpc>
```

Table description

Item	Description
Event stream name	DRNI
Event name	PortInfoEvent
Event namespace	http://www.h3c.com/netconf/event:1.0/DRNI:1.0
Support for extended query	No

XML structure for event report

```
<PortInfoEvent>
  <PortInfo>
    <IfIndex></IfIndex>
    <DRGroupId></DRGroupId>
    <OperationType></OperationType>
  </PortInfo>
</PortInfoEvent>
```

Example:

```
<notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
  <eventTime>2016-07-21T09:10:51</eventTime>
  <PortInfoEvent xmlns="http://www.h3c.com/netconf/event:1.0/DRNI:1.0">
    <PortInfo>
      <IfIndex>66</IfIndex>
      <DRGroupId>66</DRGroupId>
      <OperationType>1</OperationType>
    </PortInfo>
  </PortInfoEvent>
</notification>
```

Table description

Column name	Column description	Data type and restrictions	Support for extended query	Remarks
IfIndex	Aggregation interface ifIndex	Unsigned integer.	No	Interface name is not supported.
DRGroupId	DR group ID	Unsigned integer. Value range: 1 to 1024.	No	N/A
OperationType	Operation type	Enumeration: <ul style="list-style-type: none">1—Create.2—Modify.3—Delete.	No	The operation type specifies the operation that DNRI PortInfo should perform.

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ETH

ETH/SubInterfaces

This table contains VLAN termination information.

XML structure

```
<ETH>
  <SubInterfaces>
    <SubInterface>
      <IfIndex></IfIndex>
      <EncapType></EncapType>
      <VlanID></VlanID>
      <FirstVlanList></FirstVlanList>
      <EncapFlag></EncapFlag>
      <IsUserVlanMode></IsUserVlanMode>
    </SubInterface>
  </SubInterfaces>
</ETH>
```

Table description

Item	Description
Feature name	ETH
Table name	SubInterfaces
Table type	Multi-instance table
Row name	SubInterface
Restrictions	No
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product.

Column name	Column description	Column type	Data type and restrictions	Remarks
EncapType	VLAN termination type	N/A	Enumeration: <ul style="list-style-type: none"> 0—None. 1—Dot1q unambiguous. 2—Dot1q ambiguous. 5—Untagged. 6—Default. 	N/A
VlanID	Outermost VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094	Outermost VLAN tag for unambiguous VLAN termination. Used when the “EncapType” column is 1.
FirstVlanList	Outermost VLAN ID list	N/A	String.	Specifies a space-separated VLAN ID list items. Each item specifies a VLAN ID or a range of VLAN IDs in the form of <i>vlan-id1</i> to <i>vlan-id2</i> . The value range for VLAN IDs is 1 to 4094. The value for the <i>vlan-id2</i> argument must be equal to or greater than the value for the <i>vlan-id1</i> argument. Used when the “EncapType” column is 2.
EncapFlag	Configures the subinterface to terminate packets that include one or more layers of VLAN tags	N/A	Unsigned integer. Value range: 0 to 1	<ul style="list-style-type: none"> 0—STRICT 1—LOOSE
IsUserVlanMode	VLAN termination mode	N/A	Boolean: <ul style="list-style-type: none"> true—user-vlan. false—vlan-type. 	Some version might not support this column.

ETH/VlanQinQTermination

This table contains QinQ VLAN termination information.

XML structure

<ETH>


```

<VlanQinQTermination>
  <QinqTermination>
    <IfIndex></IfIndex>
    <VlanID></VlanID>
    <SecondVlan></SecondVlan>
    <QinqAny></QinqAny>
    <EncapFlag></EncapFlag>
    <IsUserVlanMode></IsUserVlanMode>
  </QinqTermination>
</VlanQinQTermination>
</ETH>

```

Table description

Item	Description
Feature name	ETH
Table name	VlanQinQTermination
Table type	Multi-instance table
Row name	QinqTermination
Restrictions	No
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product.
VlanID	Layer 1 VLAN ID	Index	Unsigned integer. Value range: 1 to 4094	N/A
SecondVlan	Layer 2 VLAN ID or VLAN ID list	N/A	String.	Specifies a space-separated VLAN ID list items. Each item specifies a VLAN ID or a range of VLAN IDs in the form of <i>vlan-id1</i> to <i>vlan-id2</i> . The value range for VLAN IDs is 1 to 4094. The value for the <i>vlan-id2</i> argument must be equal to or greater

Column name	Column description	Column type	Data type and restrictions	Remarks
				than the value for the <i>vlan-id1</i> argument. Note: The "SecondVlan" column and the "QinqAny" column cannot be configured at the same time.
QinqAny	Specifies all values between 1 and 4094	N/A	Unsigned integer. Value range: 1	Note: The "SecondVlan" column and the "QinqAny" column cannot be configured at the same time.
EncapFlag	Configures the subinterface to receive and terminate packets that include two or more layers of VLAN tags	N/A	Unsigned integer. Value range: 0 to 1	<ul style="list-style-type: none"> 0—STRICT 1—LOOSE
IsUserVlanMode	VLAN termination mode	N/A	Boolean: <ul style="list-style-type: none"> true—user-vlan. false—vlan-type. 	Some versions might not support this column.

ETH/UnderlayForwardBypass

This table contains underlay forward bypass information.

XML structure

```

<ETH>
  <UnderlayForwardBypass>
    <Bypass>
      <IfIndex></IfIndex>
      <Enable></Enable>
    </Bypass>
  </UnderlayForwardBypass>
</ETH>

```

Table description

Item	Description
Feature name	ETH
Table name	UnderlayForwardBypass

Item	Description
Table type	Multi-instance table
Row name	Bypass
Restrictions	No
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Only Layer 3 physical interfaces are supported. Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
Enable	Specifies the action of whether or not to bypass the VXLAN packets from ETH.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable the function. false—Disable the function. 	N/A

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ETH

ETH/SubInterfaces

This table contains VLAN termination information.

XML structure

```
<ETH>
  <SubInterfaces>
    <SubInterface>
      <IfIndex></IfIndex>
      <EncapType></EncapType>
      <VlanID></VlanID>
      <FirstVlanList></FirstVlanList>
      <EncapFlag></EncapFlag>
      <IsUserVlanMode></IsUserVlanMode>
    </SubInterface>
  </SubInterfaces>
</ETH>
```

Table description

Item	Description
Feature name	ETH
Table name	SubInterfaces
Table type	Multi-instance table
Row name	SubInterface
Restrictions	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product.

Column name	Column description	Column type	Data type and restrictions	Remarks
EncapType	VLAN termination type	N/A	Enumeration: <ul style="list-style-type: none"> 0—None. 1—Dot1q unambiguous. 2—Dot1q ambiguous. 3—Qinq unambiguous. 4—Qinq ambiguous. 5—Untagged. 6—Default. 	N/A
VlanID	Outermost VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094	Outermost VLAN tag for unambiguous VLAN termination.
FirstVlanList	Outermost VLAN ID list	N/A	String.	A range of outermost VLAN IDs.
EncapFlag	Configures the subinterface to terminate packets that include one or more layers of VLAN tags	N/A	Unsigned integer. Value range: 0 to 1	<ul style="list-style-type: none"> 0—STRICT 1—LOOSE
IsUserVlanMode	VLAN termination mode	N/A	Boolean: <ul style="list-style-type: none"> true—user-vlan. false—vlan-type. 	Some versions might not support this column.

ETH/ETHSpecification

This table contains VLAN termination support information.

XML structure

```

<ETH>
  <ETHSpecification>
    <SupportDot1q></SupportDot1q>
    <SupportQinq></SupportQinq>
    <SupportUntagged></SupportUntagged>
    <SupportDefault></SupportDefault>
    <SupportLoose></SupportLoose>
  </ETHSpecification>
</ETH>

```

Table description

Item	Description
Feature name	ETH

Table name	ETHSpecification
Table type	Multi-instance table
Row name	N/A
Restrictions	No

Columns

Column name	Column description	Column type	Data type and restrictions
SupportDot1q	Whether Dot1q termination is supported	N/A	Boolean: <ul style="list-style-type: none"> true false
SupportQinq	Whether Qinq termination is supported	N/A	Boolean: <ul style="list-style-type: none"> true false
SupportUntagged	Whether Untagged termination is supported	N/A	Boolean: <ul style="list-style-type: none"> true false
SupportDefault	Whether Default termination is supported	N/A	Boolean: <ul style="list-style-type: none"> true false
SupportLoose	Whether the subinterface supports terminating packets that include one or more layers of VLAN tags.	N/A	Boolean: <ul style="list-style-type: none"> true false

ETH/VlanQinQTermination

This table contains QinQ VLAN termination information.

XML structure

```

<ETH>
  <VlanQinQTermination>
    <QinqTermination>
      <IfIndex></IfIndex>
      <VlanID></VlanID>
      <SecondVlan></SecondVlan>
      <QinqAny></QinqAny>
      <EncapFlag></EncapFlag>
      <IsUserVlanMode></IsUserVlanMode>
    </QinqTermination>
  </VlanQinQTermination>
</ETH>

```

Table description

Item	Description
Feature name	ETH
Table name	VlanQinQTermination
Table type	Multi-instance table
Row name	QinqTermination
Restrictions	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product.
VlanID	Layer 1 VLAN ID	Index	Unsigned integer. Value range: 1 to 4094	N/A
SecondVlan	Layer 2 VLAN ID or VLAN ID list	N/A	String.	Specifies a space-separated VLAN ID list items. Each item specifies a VLAN ID or a range of VLAN IDs in the form of <i>vlan-id1</i> to <i>vlan-id2</i> . The value range for VLAN IDs is 1 to 4094. The value for the <i>vlan-id2</i> argument must be equal to or greater than the value for the <i>vlan-id1</i> argument. Note: The "SecondVlan" column and the "QinqAny" column cannot be configured at the same time.

Column name	Column description	Column type	Data type and restrictions	Remarks
QinqAny	Specifies all values between 1 and 4094	N/A	Unsigned integer. Value range: 1	Note: The “SecondVlan” column and the “QinqAny” column cannot be configured at the same time.
EncapFlag	Configures the subinterface to receive and terminate packets that include two or more layers of VLAN tags	N/A	Unsigned integer. Value range: 0 to 1	<ul style="list-style-type: none"> • 0—STRICT • 1—LOOSE
IsUserVlanMode	VLAN termination mode	N/A	Boolean: <ul style="list-style-type: none"> • true—user-vlan. • false—vlan-type. 	Some versions might not support this column.

ETH/UnderlayForwardBypass

This table contains underlay forward bypass information.

XML structure

```

<ETH>
  <UnderlayForwardBypass>
    <Bypass>
      <IfIndex></IfIndex>
      <Enable></Enable>
    </Bypass>
  </UnderlayForwardBypass>
</ETH>

```

Table description

Item	Description
Feature name	ETH
Table name	UnderlayForwardBypass
Table type	Multi-instance table
Row name	Bypass
Restrictions	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Only Layer 3 physical interfaces are supported. Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
Enable	Specifies the action of whether or not to bypass the VXLAN packets from ETH.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable the function. false—Disable the function. 	N/A

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Columns	4

FileSystem

FileSystem/Files

This table contains the file information.

XML structure

```
<FileSystem>
  <Files>
    <File>
      <Name></Name>
      <Path></Path>
      <Size></Size>
      <Time></Time>
      <IsDirectory></IsDirectory>
    </File>
  </Files>
</FileSystem>
```

Table description

Item	Description
Feature name	FileSystem
Table name	Files
Table type	Multi-instance table
Row name	File
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remark
Name	Fully qualified name of a directory or file	Index	String, case insensitive. Length: 1 to 4096 characters.	Examples: <ul style="list-style-type: none">flash:/logfile/logfile.logchassis3#slot1#cfa0:/main.cfg

Column name	Column description	Column type	Data type and restrictions	Remark
Path	Absolute path to the file	N/A	String, case insensitive. Length: 1 to 4096 characters.	Examples: <ul style="list-style-type: none"> flash:/logfile chassis3#slot1#cfa0:
Size	File size in bytes	N/A	Unsigned integer. Value range: 0 to 2^{64} - 1.	N/A
Time	Latest modification time.	N/A	DateTime. Format: YYYY-MM-DDTHH:MM:SS.	N/A
IsDirectory	Whether the Name column carries a directory	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A

FileSystem/RecycleBin

This Table contains recycle bin files information.

XML structure

```

<FileSystem>
  <RecycleBin>
    <RecycleBinFile>
      <Medium></Medium>
      <TrashFiles>
        <FileName></FileName>
      </TrashFiles>
    </RecycleBinFile>
  </RecycleBin>
</FileSystem>

```

Table description

Item	Description
Feature name	FileSystem
Table name	RecycleBin
Table type	Multi-instance table
Row name	RecycleBinFile
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remark
Medium	File system name	Index	String. Length: 1 to 255 characters.	Examples: <ul style="list-style-type: none">chassis2#slot1#flash:chassis1#slot2#cfa0:
TrashFiles	Files in the recycle bin	Data structure	Members: FileName	N/A
FileName	File name.	N/A	String, case insensitive. Length: 1 to 4096 characters.	Examples: <ul style="list-style-type: none">logfile/logfile.logmain.cfg

FileSystem/Media

This Table contains medium information.

XML structure

```
<FileSystem>
  <Media>
    <Medium>
      <Name></Name>
      <PartitionCapability></PartitionCapability>
    </Medium>
  </Media>
</FileSystem>
```

Table description

Item	Description
Feature name	FileSystem
Table name	Media
Table type	Multi-instance table
Row name	Medium
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remark
Name	Storage medium name	Index	String. Length: 1 to 255 characters.	Examples: <ul style="list-style-type: none"> chassis2#slot1#flash: chassis1#slot2#cfa:
PartitionCapability	Whether the medium can be partitioned	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A

FileSystem/Partitions

This Table contains partition information.

XML structure

```

<FileSystem>
  <Partitions>
    <Partition>
      <Name></Name>
      <Total></Total>
      <Used></Used>
      <Free></Free>
      <Bootable></Bootable>
      <MountState></MountState>
    </Partition>
  </Partitions>
</FileSystem>

```

Table description

Item	Description
Feature name	FileSystem
Table name	Partitions
Table type	Multi-instance table
Row name	Partition
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remark
Name	Partition name	Index	String.	Examples:

Column name	Column description	Column type	Data type and restrictions	Remark
			Length: 1 to 255 characters.	<ul style="list-style-type: none"> chassis2#slot1#flash: chassis1#slot2#cfa0:
Total	Total size of the partition in bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
Used	Used size of the partition in bytes.	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
Free	Available size of the partition in bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
Bootable	Whether the partition is the startup partition	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
MountState	Whether the partition is mounted	N/A	Boolean: <ul style="list-style-type: none"> true false 	If the value of this column is false, only this column and the Name column can be read.

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Fundamentals

Fundamentals/CurrentSessionOpt

This table describes the actions that can be performed to current session.

XML structure

```
<Fundamentals>
  <CurrentSessionOpt>
    <DisableEditConfigWhenRollback/>
    <EnableLightRollback/>
  </CurrentSessionOpt>
</Fundamentals>
```

Table description

Item	Description
Feature name	Fundamentals
Table name	CurrentSessionOpt
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DisableEditConfigWhenRollback	Reject edit-config request when system is performing rollback.	N/A	Boolean: <ul style="list-style-type: none">truefalse	N/A
EnableLightRollback	Enable rollback in a light weight method.	N/A	Boolean: <ul style="list-style-type: none">truefalse	This column is used to enable or disable the light rollback(a light way to rollback when you get an error in the edit-config operation while the error-option is set to be rollback-on-error). By default, it is false

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Columns.....	6
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XML structure.....	6
Table description.....	6
Columns.....	6

GRPC

GRPC/SensorGroups

This table contains GRPC sensor group information.

XML structure

```
<GRPC>
  <SensorGroups>
    <SensorGroup>
      <GroupName></GroupName>
      <SensorPaths>
        <SensorPath>
          <Path></Path>
        </SensorPath>
      </SensorPaths>
    </SensorGroup>
  </SensorGroups>
</GRPC>
```

Table description

Item	Description
Feature name	GRPC
Table name	SensorGroups
Table type	Multi-instance table
Row name	SensorGroup
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	Sensor group name	index	String. Length: 1 to 31 characters.	N/A
SensorPaths	Sensor path information	Sublist	N/A	For more information, see the SensorPaths table.

GRPC/SensorGroups/SensorPaths

This table contains GRPC sensor path information.

XML structure

Please refer to the XML structure of GRPC/SensorGroups.

Table description

Item	Description
Feature name	GRPC
Table name	SensorPaths
Table type	Multi-instance table
Row name	SensorPath
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	Sensor group name	Index	Index of the parent table.	This column cannot be present.
Path	Filter column path	Index	String. Case insensitive. Length: 1 to 127 characters.	N/A
Filters	Filter information	Sublist	N/A	For more information, see the Filters table.

GRPC/DestinationGroups

This table contains GRPC destination group information.

XML structure

```
<GRPC>
  <DestinationGroups>
    <DestinationGroup>
      <GroupName></GroupName>
      <Destinations>
        <Destination>
```

```

        <IpAddress></IpAddress>
        <VRF></VRF>
        <Port></Port>
    </Destination>
</Destinations>
</DestinationGroup>
</DestinationGroups>
</GRPC>

```

Table description

Item	Description
Feature name	GRPC
Table name	DestinationGroups
Table type	Multi-instance table
Row name	DestinationGroup
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	Destination group name	index	String. Length: 1 to 31 characters.	N/A
Destinations	Destination info	Sublist	N/A	For more information, see the Destinations table.

GRPC/DestinationGroups/Destinations

This table contains GRPC destination information.

XML structure

Please refer to the XML structure of GRPC/DestinationGroups.

Table description

Item	Description
Feature name	GRPC
Table name	Destinations

Item	Description
Table type	Multi-instance table
Row name	Destination
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	Destination group name	Index	Index of the parent table.	This column cannot be present.
IpAddress	Address of the destination group	Index	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated.	IPv4 example: 1.1.1.1. IPv6 example: 1:2:3:4:5:6:7:8.
VRF	VRF instance name	Index	String. Length: 0 to 31 characters.	If the address is a public network address, leave this column empty.
Port	Port number of the destination group	Index	Unsigned integer. Value range: 1 to 65535.	N/A

GRPC/Subscriptions

This table contains GRPC subscription information.

XML structure

```

<GRPC>
  <Subscriptions>
    <Subscription>
      <SubscriptionName></SubscriptionName>
      <SensorProfiles>
        <SensorProfile>
          <GroupName></GroupName>
          <SampleInterval></SampleInterval>
        </SensorProfile>
      </SensorProfiles>
      <DestinationProfiles>
        <DestinationProfile>
          <GroupName></GroupName>
        </DestinationProfile>
      </DestinationProfiles>
    </Subscription>
  </Subscriptions>
</GRPC>

```

```

        </DestinationProfiles>
    </Subscription>
</Subscriptions>
</GRPC>

```

Table description

Item	Description
Feature name	GRPC
Table name	Subscriptions
Table type	Multi-instance table
Row name	Subscription
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SubscriptionName	Subscription name	Index	String. Length: 1 to 31 characters.	N/A
SensorProfiles	Sensor profile information	Sublist	N/A	For more information, see the SensorProfiles table.
DestinationProfiles	Destination profile information	Sublist	N/A	For more information, see the DestinationProfiles table.

GRPC/Subscriptions/SensorProfiles

This table contains GRPC sensor profile information.

XML structure

Please refer to the XML structure of GRPC/Subscriptions.

Table description

Item	Description
Feature name	GRPC
Table name	SensorProfiles

Item	Description
Table type	Multi-instance table
Row name	SensorProfile
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SubscriptionName	Subscription name	Index	Index of the parent table.	This column cannot be present.
GroupName	Sensor group name	Index	String. Length: 1 to 31 characters.	N/A
SampleInterval	Sample interval in seconds	N/A	Unsigned integer. Value range: 1 to 86400.	If this column is present, it means that the real time event works.

GRPC/Subscriptions/DestinationProfiles

This table contains GRPC destination profile information.

XML structure

Please refer to the XML structure of GRPC/Subscriptions.

Table description

Item	Description
Feature name	GRPC
Table name	DestinationProfiles
Table type	Multi-instance table
Row name	DestinationProfile
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SubscriptionName	Subscription name	Index	Index of the parent table.	This column cannot be present.
GroupName	Destination group name	Index	String. Length: 1 to 31 characters.	N/A

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GRPC/Subscriptions.....	4
XML structure.....	4
Table description.....	5
Columns.....	5
GRPC/Subscriptions/SensorProfiles	5
XML structure.....	5
Table description.....	5
Columns.....	6
GRPC/Subscriptions/DestinationProfiles	6
XML structure.....	6
Table description.....	6
Columns.....	6

GRPC

GRPC/SensorGroups

This table contains GRPC sensor group information.

XML structure

```
<GRPC>
  <SensorGroups>
    <SensorGroup>
      <GroupName></GroupName>
      <SensorPaths>
        <SensorPath>
          <Path></Path>
        </SensorPath>
      </SensorPaths>
    </SensorGroup>
  </SensorGroups>
</GRPC>
```

Table description

Item	Description
Feature name	GRPC
Table name	SensorGroups
Table type	Multi-instance table
Row name	SensorGroup
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	Sensor group name	index	String. Length: 1 to 31 characters.	N/A
SensorPaths	Sensor path information	Sublist	N/A	For more information, see the SensorPaths table.

GRPC/SensorGroups/SensorPaths

This table contains GRPC sensor path information.

XML structure

Please refer to the XML structure of GRPC/SensorGroups.

Table description

Item	Description
Feature name	GRPC
Table name	SensorPaths
Table type	Multi-instance table
Row name	SensorPath
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	Sensor group name	Index	Index of the parent table.	This column cannot be present.
Path	Filter column path	Index	String. Case insensitive. Length: 1 to 127 characters.	N/A
Filters	Filter information	Sublist	N/A	For more information, see the Filters table.

GRPC/DestinationGroups

This table contains GRPC destination group information.

XML structure

```
<GRPC>
  <DestinationGroups>
    <DestinationGroup>
      <GroupName></GroupName>
      <Destinations>
        <Destination>
          <IpAddress></IpAddress>
```

```

        <VRF></VRF>
        <Port></Port>
    </Destination>
</Destinations>
</DestinationGroup>
</DestinationGroups>
</GRPC>

```

Table description

Item	Description
Feature name	GRPC
Table name	DestinationGroups
Table type	Multi-instance table
Row name	DestinationGroup
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	Destination group name	index	String. Length: 1 to 31 characters.	N/A
Destinations	Destination info	Sublist	N/A	For more information, see the Destinations table.

GRPC/DestinationGroups/Destinations

This table contains GRPC destination information.

XML structure

Please refer to the XML structure of GRPC/DestinationGroups.

Table description

Item	Description
Feature name	GRPC
Table name	Destinations
Table type	Multi-instance table
Row name	Destination

Item	Description
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	Destination group name	Index	Index of the parent table.	This column cannot be present.
IpAddress	Address of the destination group	Index	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated.	IPv4 example: 1.1.1.1. IPv6 example: 1:2:3:4:5:6:7:8.
VRF	VRF instance name	Index	String. Length: 0 to 31 characters.	If the address is a public network address, leave this column empty.
Port	Port number of the destination group	Index	Unsigned integer. Value range: 1 to 65535.	N/A

GRPC/Subscriptions

This table contains GRPC subscription information.

XML structure

```

<GRPC>
  <Subscriptions>
    <Subscription>
      <SubscriptionName></SubscriptionName>
      <SensorProfiles>
        <SensorProfile>
          <GroupName></GroupName>
          <SampleInterval></SampleInterval>
        </SensorProfile>
      </SensorProfiles>
      <DestinationProfiles>
        <DestinationProfile>
          <GroupName></GroupName>
        </DestinationProfile>
      </DestinationProfiles>
    </Subscription>
  </Subscriptions>
</GRPC>

```

Table description

Item	Description
Feature name	GRPC
Table name	Subscriptions
Table type	Multi-instance table
Row name	Subscription
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SubscriptionName	Subscription name	Index	String. Length: 1 to 31 characters.	N/A
SensorProfiles	Sensor profile information	Sublist	N/A	For more information, see the SensorProfiles table.
DestinationProfiles	Destination profile information	Sublist	N/A	For more information, see the DestinationProfiles table.

GRPC/Subscriptions/SensorProfiles

This table contains GRPC sensor profile information.

XML structure

Please refer to the XML structure of GRPC/Subscriptions.

Table description

Item	Description
Feature name	GRPC
Table name	SensorProfiles
Table type	Multi-instance table
Row name	SensorProfile
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SubscriptionName	Subscription name	Index	Index of the parent table.	This column cannot be present.
GroupName	Sensor group name	Index	String. Length: 1 to 31 characters.	N/A
SampleInterval	Sample interval in seconds	N/A	Unsigned integer. Value range: 1 to 86400.	If this column is present, it means that the real time event works.

GRPC/Subscriptions/DestinationProfiles

This table contains GRPC destination profile information.

XML structure

Please refer to the XML structure of GRPC/Subscriptions.

Table description

Item	Description
Feature name	GRPC
Table name	DestinationProfiles
Table type	Multi-instance table
Row name	DestinationProfile
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SubscriptionName	Subscription name	Index	Index of the parent table.	This column cannot be present.
GroupName	Destination group name	Index	String. Length: 1 to 31 characters.	N/A

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Ifmgr

Ifmgr/Interfaces

This table contains basic interface information.

XML structure

```
<Ifmgr>
  <Interfaces>
    <Interface>
      <IfIndex></IfIndex>
      <Description></Description>
      <AdminStatus></AdminStatus>
      <ConfigSpeed></ConfigSpeed>
      <ConfigDuplex></ConfigDuplex>
      <PortLayer></PortLayer>
      <LinkType></LinkType>
      <PVID></PVID>
      <MAC></MAC>
      <Loopback></Loopback>
      <MDI></MDI>
      <ConfigMTU></ConfigMTU>
      <ConfigBandwidth></ConfigBandwidth>
      <Interval></Interval>
      <ForceUP></ForceUP>
      <KeepAlive></KeepAlive>
      <KeepAliveRetry></KeepAliveRetry>
    </Interface>
  </Interfaces>
</Ifmgr>
```

Table description

Item	Description
Feature name	Ifmgr
Table name	Interfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	For information about the string type, see "Appendix"
Description	Interface description	N/A	String. Length: 1 to 255 characters. Default: <i>interface-name</i> Interface .	N/A
AdminStatus	Interface administration status	N/A	Enumeration: <ul style="list-style-type: none"> 1—Up (default). 2—Down. 	N/A
ConfigSpeed	Configured speed of an interface.	N/A	Each bit represents a speed. As follows: <ul style="list-style-type: none"> 1—Auto 2—10Mbps 4—100Mbps 8—155Mbps 16—622Mbps 32—1Gbps 64—2Gbps 128—2.5Gbps 256—4Gbps 512—8Gbps 1024—10Gbps 2048—16Gbps 4096—20Gbps 8192—40Gbps 16384—100Gbps 32768—5Gbps 	Examples: <ul style="list-style-type: none"> 32—Speed is 1000Mbps. 37—Auto-negotiation mode, and negotiation values are 100Mbps and 1000Mbps.
ConfigDuplex	Configured duplex mode of an interface	N/A	Enumeration: <ul style="list-style-type: none"> 1—Full. 2—Half. 3—Auto. 	Applicable to only Ethernet interfaces.
PortLayer	Port layer of an interface	N/A	Enumeration: <ul style="list-style-type: none"> 1—Layer 2 2—Layer 3 	Applicable to Ethernet interfaces.
LinkType	VLAN type of an interface	N/A	Enumeration: <ul style="list-style-type: none"> 1—Access (default). 2—Trunk. 3—Hybrid. 	Applicable to only Layer 2 interfaces.
PVID	Port VLAN ID (PVID) of an interface	N/A	Unsigned integer. Value range: 1 to 4094.	Applicable to only Layer 2 interfaces.
MAC	MAC address of an interface	N/A	Six groups of two hexadecimal digits, hyphen-separated.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Loopback	Loopback test	N/A	Enumeration: <ul style="list-style-type: none"> 0—No loopback 1—Internal 2—External 	Applicable to only interfaces of Ethernet and AUX.
MDI	MDI mode of an interface	N/A	Enumeration: <ul style="list-style-type: none"> 1—MDI-II (straight-through cable) 2—MDI-X (crossover cable) 3—MDI-AUTO (auto-sensing) 	Applicable to only Layer 2 Ethernet interfaces.
ConfigMTU	Configured MTU of an interface	N/A	Unsigned integer.	Applicable to only Layer 3 interfaces.
ConfigBandwidth	Configured expected bandwidth of an interface	N/A	Unsigned integer. Value range: 1 to 400000000.	N/A
Interval	Sampling interval of an interface	N/A	Unsigned integer. Value range: 5 to 300, in seconds, in step of 5	N/A
ForceUP	Forcibly bring up an interface.	N/A	Boolean: <ul style="list-style-type: none"> true false 	Applicable to only Ethernet and POS interfaces.
KeepAlive	KeepAlive value of an interface	N/A	Unsigned integer. Value range: 0 to 32767.	Applicable to interfaces that support only link layer protocols PPP, HDLC, and Frame Relay.
KeepAliveRetry	KeepAlive retry times of an interface	N/A	Unsigned integer. Value range: 1 to 255.	Applicable to interfaces that support only link layer protocols PPP, HDLC, and Frame Relay.

Ifmgr/TrafficStatistics/Interval

This table contains traffic sampling interval information of all interfaces.

XML structure

```

<Ifmgr>
  <TrafficStatistics>
    <Interval>
      <Interval></Interval>
    </Interval>
  </TrafficStatistics>

```

</Ifmgr>

Table description

Item	Description
Feature name	Ifmgr
Table name	TrafficStatistics
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
Interval	Sampling interval of all interfaces, in seconds, in step of 5.	N/A	Unsigned integer. It can configured only when Configurable" (Reference in table of TrafficStatistics/Interval which in Data API) value is true.

Ifmgr/EthInterfaces

This table contains Ethernet interfaces information.

XML structure

```
<Ifmgr>
  <EthInterfaces>
    <Interface>
      <IfIndex></IfIndex>
      <Combo></Combo>
      <FlowControl></FlowControl>
      <AutoPowerDown></AutoPowerDown>
      <Jumboframe></Jumboframe>
      <BroadcastSuppression>
        <ConfigValue></ConfigValue>
        <Unit></Unit>
      </BroadcastSuppression>
      <MulticastSuppression>
        <ConfigValue></ConfigValue>
        <Unit></Unit>
      </MulticastSuppression>
      <UnknownUnicastSuppression>
        <ConfigValue></ConfigValue>
```

```

        <Unit></Unit>
    </UnknownUnicastSuppression>
    <BPDUUDrop></BPDUUDrop>
    <EEE></EEE>
    <ConnectMode></ConnectMode>
</Interface>
</EthInterfaces>
</Ifmgr>

```

Table description

Item	Description
Feature name	Ifmgr
Table name	EthInterfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	Applicable to only Ethernet interfaces.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	For information about the string type, see "Appendix"
Combo	Combo mode of an interface	N/A	Enumeration: <ul style="list-style-type: none"> 1—fiber mode 2—copper mode 	
FlowControl	Flow control information of an interface	N/A	Enumeration: <ul style="list-style-type: none"> 1—Enable flow control 2—Disable 3—Only enable flow control packet receiving 	Applicable to only Physical interfaces.
AutoPowerDown	Port auto power down	N/A	Boolean: <ul style="list-style-type: none"> true false 	Applicable to only Physical interfaces.
Jumboframe	Jumbo frame information of an interface	N/A	Unsigned integer, the value is 0 if jumbo frame is disable on an interface.	
BroadcastSuppression	Broadcast suppression information of an interface	N/A	Include: <ul style="list-style-type: none"> Value Unit 	
ConfigValue	Config broadcast suppression	N/A	Unsigned integer. Value range:	

Column name	Column description	Column type	Data type and restrictions	Remarks
	value of an interface		<ul style="list-style-type: none"> ratio: 0 to 100 pps: 0 to $1.4881 \times$ the maximum interface rate. kpbs: 0 to the maximum interface rate 	
Unit	Broadcast suppression unit	N/A	Enumeration: <ul style="list-style-type: none"> 1—ratio 2—pps 3—kpbs 	
MulticastSuppression	Multicast suppression information of an interface	N/A	Include: <ul style="list-style-type: none"> Value Unit 	
ConfigValue	Config multicast suppression value of an interface	N/A	Unsigned integer. Value range: <ul style="list-style-type: none"> ratio: 0 to 100 pps: 0 to $1.4881 \times$ the maximum interface rate. kpbs: 0 to the maximum interface rate 	
Unit	Multicast suppression unit	N/A	Enumeration: <ul style="list-style-type: none"> 1—ratio 2—pps 3—kpbs 	
UnknownUnicastSuppression	UnknownUnicast suppression information of an interface	N/A	Include: <ul style="list-style-type: none"> Value Unit 	
ConfigValue	Config unknownUnicast suppression value of an interface	N/A	Unsigned integer. Value range: <ul style="list-style-type: none"> ratio: 0 to 100 pps: 0 to $1.4881 \times$ the maximum interface rate. kpbs: 0 to the maximum interface rate 	
Unit	UnknownUnicast suppression unit	N/A	Enumeration: <ul style="list-style-type: none"> 1—ratio 2—pps 3—kpbs 	
BPDUDrop	Whether any type of IEEE BPDUs is drop on the port.	N/A	Boolean: <ul style="list-style-type: none"> true false 	Applicable to only Layer 2 Physical interfaces.
EEE	Whether energy efficient ethernet is enable on the port.	N/A	Boolean: <ul style="list-style-type: none"> true false 	Applicable to only Physical interfaces.
ConnectMode	Port connection mode of an interface.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Normal connection mode 2—Extend connection 	Applicable to only Layer 2 10GE Physical interfaces.

Column name	Column description	Column type	Data type and restrictions	Remarks
			mode	

Ifmgr/StormConstrain/Interfaces

This table contains interface storm constrain information.

XML structure

```

<Ifmgr>
  <StormConstrain>
    <Interfaces>
      <Interface>
        <IfIndex></IfIndex>
        <CtlMode></CtlMode>
        <Trap></Trap>
        <Log></Log>
        <Broadcast>
          <Upper></Upper>
          <Lower></Lower>
          <Unit></Unit>
        </Broadcast>
        <Multicast>
          <Upper></Upper>
          <Lower></Lower>
          <Unit></Unit>
        </Multicast>
        <UnknownUnicast>
          <Upper></Upper>
          <Lower></Lower>
          <Unit></Unit>
        </UnknownUnicast>
        <KnownUnicast>
          <Upper></Upper>
          <Lower></Lower>
          <Unit></Unit>
        </KnownUnicast>
      </Interface>
    </Interfaces>
  </StormConstrain>
</Ifmgr>

```

Table description

Item	Description
Feature name	Ifmgr
Table name	Interfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	Applicable to only Layer 2 physical Ethernet interfaces.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	For information about the string type, see "Appendix"
CtlMode	Storm constrain protective action	N/A	Enumeration: <ul style="list-style-type: none"> • 0—N/A • 1—Block • 2—Shutdown 	
Trap	Event trap switch	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	
Log	Event log switch	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	
Broadcast	Broadcast storm constrain information of an interface	N/A	Include: <ul style="list-style-type: none"> • Upper • Lower • Unit 	The Upper value must be not less than the Lower value.
Upper	Broadcast upper threshold value	N/A	Unsigned integer. Value range: <ul style="list-style-type: none"> • pps: 1 to $1.4881 \times$ the maximum interface rate • ratio: 1 to 100 • kbps: 1 to the maximum interface rate 	
Lower	Broadcast lower threshold value	N/A	Unsigned integer. Value range: <ul style="list-style-type: none"> • pps: 1 to $1.4881 \times$ the maximum interface rate • ratio: 1 to 100 • kbps: 1 to the maximum interface rate 	
Unit	Broadcast threshold unit	N/A	Enumeration: <ul style="list-style-type: none"> • 1—pps 	

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> • 2—ratio • 3—kbps 	
Multicast	Multicast storm constrain information of an interface	N/A	Include: <ul style="list-style-type: none"> • Upper • Lower • Unit 	The Upper value must be not less than the Lower value.
Upper	Multicast upper threshold value	N/A	Unsigned integer. Value range: <ul style="list-style-type: none"> • pps: 1 to $1.4881 \times$ the maximum interface rate • ratio: 1 to 100 • kbps: 1 to the maximum interface rate 	
Lower	Multicast lower threshold value	N/A	Unsigned integer. Value range: <ul style="list-style-type: none"> • pps: 1 to $1.4881 \times$ the maximum interface rate • ratio: 1 to 100 • kbps: 1 to the maximum interface rate 	
Unit	Multicast threshold unit	N/A	Enumeration: <ul style="list-style-type: none"> • 1—pps • 2—ratio • 3—kbps 	
UnknownUnicast	Unknown-unicast storm constrain information of an interface	N/A	Include: <ul style="list-style-type: none"> • Upper • Lower • Unit 	The Upper value must be not less than the Lower value.
Upper	Unknown-unicast upper threshold value	N/A	Unsigned integer. Value range: <ul style="list-style-type: none"> • pps: 1 to $1.4881 \times$ the maximum interface rate • ratio: 1 to 100 • kbps: 1 to the maximum interface rate 	
Lower	Unknown-unicast lower threshold value	N/A	Unsigned integer. Value range: <ul style="list-style-type: none"> • pps: 1 to $1.4881 \times$ the maximum interface rate • ratio: 1 to 100 • kbps: 1 to the maximum interface rate 	
Unit	Unknown-unicast unit	N/A	Enumeration: <ul style="list-style-type: none"> • 1—pps • 2—ratio • 3—kbps 	
KnownUnicast	Known-unicast storm constrain information of an interface	N/A	Include: <ul style="list-style-type: none"> • Upper • Lower • Unit 	The Upper value must be not less than the Lower value.
Upper	Known-unicast upper threshold	N/A	Unsigned integer. Value range:	

Column name	Column description	Column type	Data type and restrictions	Remarks
	value		<ul style="list-style-type: none"> pps: 1 to $1.4881 \times$ the maximum interface rate ratio: 1 to 100 kpps: 1 to the maximum interface rate 	
Lower	Known-unicast lower threshold value	N/A	Unsigned integer. Value range: <ul style="list-style-type: none"> pps: 1 to $1.4881 \times$ the maximum interface rate ratio: 1 to 100 kpps: 1 to the maximum interface rate 	
Unit	Known-unicast unit	N/A	Enumeration: <ul style="list-style-type: none"> 1—pps 2—ratio 3—kpps 	

Ifmgr/StormConstrain/Interval

This table contains storm constrain traffic collection interval information.

XML structure

```

<Ifmgr>
  <StormConstrain>
    <Interval>
      <Interval></Interval>
    </Interval>
  </StormConstrain>
</Ifmgr>

```

Table description

Item	Description
Feature name	Ifmgr
Table name	Interval
Table type	Single-instance table
Row name	N/A
Restrictions	
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
Interval	Traffic statistics collection interval for storm constrain, in seconds.	N/A	Unsigned integer. Value range: 1 to 300.

Ifmgr/PortIsolation/Groups

This table contains port isolation groups information.

XML structure

```
<Ifmgr>
  <PortIsolation>
    <Groups>
      <Group>
        <IsolatedGroupID></IsolatedGroupID>
      </Group>
    </Groups>
  </PortIsolation>
</Ifmgr>
```

Table description

Item	Description
Feature name	Ifmgr
Table name	Groups
Table type	Multi-instance table
Row name	Group
Restrictions	Applicable to only Layer 2 interfaces of Ethernet and aggregation. The maximum group ID are in the MaxGroupNum column in the Ifmgr/PortIsolation/Capabilities table. If the maximum is 1: <ul style="list-style-type: none">Isolation group 1 is created automatically after device started.Isolation group 1 cannot created or deleted.
Support for row creation and deletion	Yes If the maximum is not 1. <ul style="list-style-type: none">Yes—If the maximum group ID value is not 1.No—If the maximum group ID value is 1.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IsolatedGroup ID	Isolation group ID.	Index	Unsigned integer.	

Ifmgr/PortIsolation/Interfaces

This table contains interface isolation information.

XML structure

```
<Ifmgr>
  <PortIsolation>
    <Interfaces>
      <Interface>
        <IfIndex></IfIndex>
        <IsolatedGroupID></IsolatedGroupID>
      </Interface>
    </Interfaces>
  </PortIsolation>
</Ifmgr>
```

Table description

Item	Description
Feature name	Ifmgr
Table name	Interfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	Applicable to only Layer 2 interfaces of Ethernet and Aggregation.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	For information about the string type, see "Appendix"
IsolatedGroup ID	Port isolation group ID of an interface	N/A	Unsigned integer.	

Ifmgr/ReserveVlanInterface

This table contains the reservation of VLAN interface resources.

XML structure

```
<Ifmgr>
  <ReserveVlanInterface>
    <VlanInterface>
      <Type></Type>
      <VlanList></VlanList>
    </VlanInterface>
  </ReserveVlanInterface>
</Ifmgr>
```

Table description

Item	Description
Feature name	Ifmgr
Table name	ReserveVlanInterface
Table type	Multi-instance table
Row name	VlanInterface
Restrictions	N/A
Support for row creation and deletion	NO

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Type	Whether the reservation of VLAN interface resources is global or local.	Index	Enumeration: <ul style="list-style-type: none">1—Global.2—Local.	The reservation of global VLAN interface resources or local VLAN interface resources.
VlanList	List of VLANs for the reservation of VLAN interface resources.	N/A	Number string. It is a comma-separated list of VLAN items. An item can be an individual VLAN ID or a VLAN ID range. Use a hyphen (-) to separate the start and end VLANs of a range. The string cannot end with a comma or hyphen, or include any whitespace characters.	Example: 1,2,3,5-8,10-20 The item is permitted to be incrementally edited. You can set the flag like "<VlanList base:incremental=true">". If the value is true, the VLAN list can be

Column name	Column description	Column type	Data type and restrictions	Remarks
				added or removed. Otherwise, it is the final result.

Ifmgr/CellularChannel

This table contains sub channel creating information of cellular controller.

XML structure

```

<Ifmgr>
  <CellularChannel>
    <Interface>
      <IfIndex></IfIndex>
      <CreateMode></CreateMode>
      <ChannelNum></ChannelNum>
    </Interface>
  </CellularChannel>
</Ifmgr>

```

Table description

Item	Description
Feature name	Ifmgr
Table name	CellularChannel
Table type	Multi-instance table
Row name	Interface
Restrictions	N/A
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer	For information about the string type, see "Appendix"

Column name	Column description	Column type	Data type and restrictions	Remarks
CreateMode	The mode of creating sub channel.	Index	Enumeration: <ul style="list-style-type: none"> 1—serial-set 2—eth-channel 	N/A
ChannelNum	Sub channel number.	Index	Unsigned integer	N/A

Ifmgr/NewSubInterfaces

This table contains creating information of sub-interfaces.

XML structure

```

<Ifmgr>
  <NewSubInterfaces>
    <Interface>
      <IfIndex></IfIndex>
      <SubNum></SubNum>
    </Interface>
  </NewSubInterfaces>
</Ifmgr>

```

Table description

Item	Description
Feature name	Ifmgr
Table name	NewSubInterfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer	Interface index of the main interface.

Column name	Column description	Column type	Data type and restrictions	Remarks
				Some versions support interface name. For relevant information, see the XSD document of your product. For information about the string type, see "Appendix"
SubNum	Sub-interface number.	Index	Unsigned integer	The range for SubNum is shown in table of InterfaceCapabilities in Ifmgr NETCONF XML API Data Reference.

Appendix

A string can contain multiple items that are separated by commas (,). An item can be in one of the following formats:

- *interface name*
- *interface range-name*
- *interface name A to interface name B*

When you use an item in the *interface name* format, follow these restrictions and guidelines:

- Spaces are not allowed between the interface type and interface number.
Example:
Correct: GigabitEthernet1/3/0/1
Incorrect: GigabitEthernet 1/3/0/1
- If the interface name is the same as an existing interface range name, the system sends the request to interfaces in the interface range rather than the interface.
Example:
If you have configured the **interface range name** *Ten-Giga1/2/0/1 interface GigabitEthernet1/3/0/1 to GigabitEthernet1/3/0/20* command and then use **Ten-Giga1/2/0/1** as an item, the system sends the request to interfaces in the interface range named **Ten-Giga1/2/0/1**.

When you use an item in the *interface range name* format, follow these restrictions and guidelines:

- If the interface range name is in the *interface name A, interface name B* format, the system sends the request to interface A and interface B rather than interfaces in the interface range.
Example:
After you configure the **interface range name** *Ten-Giga1/2/0/1, Ten-Giga1/2/0/2 interface GigabitEthernet1/3/0/1 to GigabitEthernet1/3/0/20* command and then use **Ten-Giga1/2/0/1, Ten-Giga1/2/0/2** as an item, the system sends the request to interfaces Ten-GigabitEthernet 1/2/0/1 and Ten-GigabitEthernet 1/2/0/2 rather than interfaces GigabitEthernet 1/3/0/1 through GigabitEthernet 1/3/0/20.
- If the interface range name is in the *interface name A to interface name B* format, the system sends the request to interfaces interface A through interface B rather than interfaces in the interface range.
Example:

After you configure the **interface range name** *Ten-Giga1/2/0/1 to Ten-Giga1/2/0/2* **interface** *GigabitEthernet1/3/0/1 to GigabitEthernet1/3/0/20* command and then use **Ten-Giga1/2/0/1 to Ten-Giga1/2/0/2** as an item, the system sends the request to interfaces Ten-GigabitEthernet 1/2/0/1 through Ten-GigabitEthernet 1/2/0/2 rather than interfaces GigabitEthernet 1/3/0/1 through GigabitEthernet 1/3/0/20.

When you use an item in the *interface name A to interface name B* format, follow these restrictions and guidelines:

- The interfaces before and after the word **to** must be of the same type and reside on the same card and sub-card.
- If the interfaces are subinterfaces, they must also belong to the same main interface.
- The end interface number must be larger than the start interface number.

Example:

Incorrect:

Ten2/0/1 to Ten3/0/2 The start and end interfaces reside on different cards.

Ten2/0/1 to Ten2/1/2 The start and end interfaces reside on different sub-cards.

Ten2/0/1 to Ten2/0/1:3 The start and end interfaces are of different types.

Giga2/0/1 to Ten2/0/25 The start and end interfaces are of different types.

Ten2/0/3:1 to Ten2/0/4:2 The start and end subinterfaces belong to different main interfaces.

Ten2/0/3:4 to Ten2/0/3:1 The start interface number is larger than the end interface number.

Correct:

Ten2/0/1 to Ten2/0/5

Ten2/0/1:1 to Ten2/0/1:100

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Columns	35
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Columns	36

Ifmgr

Ifmgr/Interfaces

This table contains basic interface information.

XML structure

```
<Ifmgr>
  <Interfaces>
    <Interface>
      <IfIndex></IfIndex>
      <Name></Name>
      <AbbreviatedName></AbbreviatedName>
      <PortIndex></PortIndex>
      <ifTypeExt></ifTypeExt>
      <ifType></ifType>
      <Description></Description>
      <AdminStatus></AdminStatus>
      <OperStatus></OperStatus>
      <ConfigSpeed></ConfigSpeed>
      <ActualSpeed></ActualSpeed>
      <ConfigDuplex></ConfigDuplex>
      <ActualDuplex></ActualDuplex>
      <PortLayer></PortLayer>
      <LinkType></LinkType>
      <PVID></PVID>
      <InetAddressIPV4></InetAddressIPV4>
      <InetAddressIPV4Mask></InetAddressIPV4Mask>
      <PhysicalIndex></PhysicalIndex>
      <MAC></MAC>
      <ForwardingAttributes></ForwardingAttributes>
      <Loopback></Loopback>
      <MDI></MDI>
      <ConfigMTU></ConfigMTU>
      <ActualMTU></ActualMTU>
      <ConfigBandwidth></ConfigBandwidth>
      <ActualBandwidth></ActualBandwidth>
      <SubPort></SubPort>
      <Interval></Interval>
      <ForceUP></ForceUP>
      <Actual64Bandwidth></Actual64Bandwidth>
      <KeepAlive></KeepAlive>
      <KeepAliveRetry></KeepAliveRetry>
      <DefaultMac></DefaultMac>
      <LastChange></LastChange>
```

```

    <PhyLastChange></PhyLastChange>
  </Interface>
</Interfaces>
</Ifmgr>

```

Table description

Item	Description
Feature name	Ifmgr
Table name	Interfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
Name	Full name of an interface	N/A	String. Length: 2 to 47 characters. Example: GigabitEthernet2/0/2	N/A
AbbreviatedName	Abbreviated name of an interface	N/A	String. Length: 2 to 47 characters. Example: GE2/0/2	N/A
PortIndex	Port index	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
ifTypeExt	Interface extension type	N/A	Unsigned integer.	For more information, see Table 2 .
ifType	Interface type	N/A	Unsigned integer.	Additional values for ifType are assigned by the Internet Assigned Numbers Authority (IANA), through

Column name	Column description	Column type	Data type and restrictions	Remarks
				updating the syntax of the IANA ifType textual convention.
Description	Interface description	N/A	String. Length: 1 to 255 characters.	N/A
AdminStatus	Interface administration status	N/A	Enumeration: <ul style="list-style-type: none"> 1—Administratively up. 2—Administratively down. 	N/A
OperStatus	Interface operation status	N/A	Enumeration: <ul style="list-style-type: none"> 1—up. 2—down. 3—testing. 4—unknown. 5—dormant. 6—notPresent. 7—lowerLayerDown. 	For more information, see 0.
ConfigSpeed	Configured speed of an interface, in kbps	N/A	Each bit represents a speed As follows: <ul style="list-style-type: none"> 1—Auto 2—10Mbps 4—100Mbps 8—155Mbps 16—622Mbps 32—1Gbps 64—2Gbps 128—2.5Gbps 256—4Gbps 512—8Gbps 1024—10Gbps 2048—16Gbps 4096—20Gbps 8192—40Gbps 16384—100Gbps 32768—5Gbps 	Examples: <ul style="list-style-type: none"> 32—Speed is 1000Mbps. 37—Auto-negotiation mode, and negotiation values are 100Mbps and 1000Mbps.
ActualSpeed	Actual speed of an interface, in kbps	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	Applicable to only Ethernet interfaces.
ConfigDuplex	Configured duplex mode of an interface	N/A	Enumeration: <ul style="list-style-type: none"> 1—Full. 2—Half. 3—Auto. 	Applicable to only Ethernet interfaces.
ActualDuplex	Actual duplex mode of an interface	N/A	Enumeration: <ul style="list-style-type: none"> 1—Full. 2—Half. 3—Auto. 	Applicable to only Ethernet interfaces.
PortLayer	Port layer of an interface	N/A	Enumeration: <ul style="list-style-type: none"> 1—Layer 2 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 2—Layer 3 	
LinkType	VLAN type of an interface	N/A	Enumeration: <ul style="list-style-type: none"> 1—Access. 2—Trunk. 3—Hybrid. 	Applicable to only Layer 2 interfaces.
PVID	Port VLAN ID (PVID) of an interface	N/A	Unsigned integer. Value range: 1 to 4094.	Applicable to only Layer 2 interfaces.
InetAddressIPv4	Primary IPv4 address of an interface	N/A	String, dotted decimal notation.	N/A
InetAddressIPv4Mask	Primary IPv4 address mask of an interface	N/A	String, dotted decimal notation.	N/A
PhysicalIndex	Entity index of an interface	N/A	Unsigned integer.	Applicable to only Physical interfaces.
MAC	MAC address of an interface	N/A	Six groups of two hexadecimal digits, hyphen-separated.	N/A.
ForwardingAttributes	Forwarding attributes of an interface	N/A	Bit mask: <ul style="list-style-type: none"> 1: Broadcast 2: Non-Broadcast Multi-Access 4: Loopback 8: P2P 16: Multicast 32: Network Management Interface 	Applicable to only Layer 3 interfaces.
Loopback	Loopback test	N/A	Enumeration: <ul style="list-style-type: none"> 0—No loopback 1—Internal 2—External 	Applicable to only interfaces of Ethernet and AUX.
MDI	MDI mode of an interface	N/A	Enumeration: <ul style="list-style-type: none"> 1—MDI-II (straight-through cable) 2—MDI-X (crossover cable) 3—MDI-AUTO (auto-sensing) 	Applicable to only Layer 2 Ethernet interfaces.
ConfigMTU	Configured MTU of an interface	N/A	Unsigned integer.	Applicable to only Layer 3 interfaces.
ActualMTU	Actual MTU of an interface	N/A	Unsigned integer.	Applicable to only Layer 3 interfaces.
ConfigBandwidth	Configured expected bandwidth of an interface	N/A	Unsigned integer. Value range: 1 to 400000000.	N/A
ActualBandwidth	Bandwidth of an interface	N/A	Unsigned integer. Value range: 0 to $2^{32} - 1$.	If the expected bandwidth has been configured,

Column name	Column description	Column type	Data type and restrictions	Remarks
				this field displays the configured expected bandwidth. Otherwise, this field displays the actual bandwidth.
SubPort	Whether the port is sub-interface.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
Interval	Sampling interval of an interface	N/A	Unsigned integer. Value range: 5 to 300, in seconds, in step of 5	N/A
ForceUP	Forcibly bring up an interface.	N/A	Boolean: <ul style="list-style-type: none"> true false 	Applicable to only Ethernet and POS interfaces.
Actual64Band width	Bandwidth of an interface	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	If the expected bandwidth has been configured, this field displays the configured expected bandwidth. Otherwise, this field displays the actual bandwidth.
KeepAlive	KeepAlive value of an interface	N/A	Unsigned integer. Value range: 0 to 32767.	Applicable to interfaces that support only link layer protocols PPP, HDLC, and Frame Relay.
KeepAliveRet ry	KeepAlive retry times of an interface	N/A	Unsigned integer. Value range: 1 to 255.	Applicable to interfaces that support only link layer protocols PPP, HDLC, and Frame Relay.
DefaultMac	Default MAC address of an interface	N/A	Six groups of two hexadecimal digits, hyphen-separated.	N/A
LastChange	From last state change time to now.	N/A	String.	N/A
PhyLastChan ge	From last physical state change time to now.	N/A	String.	N/A

Table 1 Interface operation status

Value	Operation status	Remarks
1	up	When the administration status of an interface changes to up, the

Value	Operation status	Remarks
		operation status of the interface changes to up if the interface is ready to transmit and receive network traffic.
2	down	<ul style="list-style-type: none"> When the administration status of an interface changes to up, the operation status of the interface remains in the down status if a fault prevents it from going to the up status. When the administration status of an interface changes to down, the operation status of the interface changes to down.
3	testing	No operation packets can be transmitted or received through the interface.
4	unknown	The operation status of the interface cannot be determined.
5	dormant	When the administration status of an interface changes to up, the operation status of the interface changes to dormant if the interface is waiting for external actions (such as a serial line waiting for an incoming connection).
6	notPresent	When the administration status of an interface changes to up, the operation status of an interface remains in the notPresent status if the interface has missing components (typically hardware).
7	lowerLayerDown	The lower-layer interfaces are down.

Table 2 Interface extension types

Value	Interface type	Description
0	IF_COMMON_TYPE	General interface.
1	IF_AM_TYPE	Analog modem interface.
2	IF_ASY_TYPE	Asynchronous serial port.
3	IF_IMA_TYPE	IMA interface.
4	IF_ATM_TYPE	ATM interface.
5	IF_AUX_TYPE	AUX interface.
6	IF_BRI_TYPE	ISDN BRI interface.
7	IF_BVI_TYPE	Bridge-group virtual interface.
8	IF_CONSOLE_TYPE	Console interface.
9	IF_CPOS_TYPE	CPOS interface.
10	IF_DIALER_TYPE	Dialer interface.
11	IF_LOCAL_VA_TYPE	Local VA interface, bound to a physical interface.
12	IF_E1_TYPE	E1 interface.
13	IF_E3_TYPE	E3 interface.
14	IF_INETH_TYPE	Internal Ethernet interface.
15	IF_INLOOPBACK_TYPE	Internal loopback interface.
16	IF_LOOPBACK_TYPE	Loopback interface.
17	IF_ENCRYPT_TYPE	Encryption interface.
18	IF_L2ETHERNET_TYPE	Layer 2 FE interface.
19	IF_L2GE_TYPE	Layer 2 GE interface.
20	IF_L2VE_TYPE	Layer 2 VE interface.

Value	Interface type	Description
21	IF_L2XGE_TYPE	Layer 2 10-GE interface.
22	IF_L3ETHERNET_TYPE	Layer 3 FE interface.
23	IF_L3GE_TYPE	Layer 3 GE interface.
24	IF_L3VE_TYPE	Layer 3 VE interface.
25	IF_L3XGE_TYPE	Layer 3 10-GE interface.
26	IF_ME_TYPE	Management Ethernet interface.
27	IF_MFR_TYPE	MFR interface.
28	IF_MGE_TYPE	Management GE interface.
29	IF_MPGROUP_TYPE	MP-group interface.
30	IF_NULL_TYPE	Null interface.
31	IF_POS_TYPE	POS interface.
32	IF_RPR_POS_TYPE	RPR POS physical interface.
33	IF_RPR_XGE_TYPE	RPR 10-GE physical interface.
34	IF_RPR_GE_TYPE	RPR GE physical interface.
35	IF_SERIAL_TYPE	Serial interface.
36	IF_SUBSCRIBER_LINE_TYPE	Subscriber line interface.
37	IF_T1_TYPE	T1 interface.
38	IF_T3_TYPE	T3 interface.
39	IF_TUNNEL_TYPE	Tunnel interface.
40	IF_GLOBAL_VA_TYPE	Global VA interface, bound to a global logical interface.
41	IF_VLAN_TYPE	VLAN interface.
42	IF_VT_TYPE	VT interface.
43	IF_RADIO_DOT11_TYPE	WLAN-Radio interface.
44	IF_WLAN_ESS_TYPE	WLAN ESS interface.
45	IF_WLAN_DBSS_TYPE	WLAN DBSS interface.
46	IF_WLAN_BSS_TYPE	WLAN BSS interface.
47	IF_WLAN_ETH_TYPE	WLAN Ethernet interface.
48	IF_WLAN_TUN_TYPE	WLAN tunnel interface.
49	IF_OLT_TYPE	OLT interface.
50	IF_ONU_TYPE	ONU interface.
51	IF_MTUNNEL_TYPE	M-Tunnel interface.
52	IF_CELLULAR_TYPE	Cellular interface.
53	IF_INASY_TYPE	Internal asynchronous serial interface.
54	IF_L2RPR_TYPE	Layer 2 RPR logical interface.
55	IF_L3RPR_TYPE	Layer 3 RPR logical interface.
56	IF_BAGG_TYPE	Layer 2 aggregate interface.
57	IF_REGISTER_TUNNEL_TYPE	Register-Tunnel interface.

Value	Interface type	Description
58	IF_LOOPFE_TYPE	Loopback FE interface.
59	IF_LOOPGE_TYPE	Loopback GE interface.
60	IF_LOOPXGE_TYPE	Loopback 10-GE interface.
61	IF_MIRRORFE_TYPE	Mirroring FE interface.
62	IF_MIRRORGE_TYPE	Mirroring GE interface.
63	IF_MIRRORXGE_TYPE	Mirroring 10-GE interface.
64	IF_IDSFE_TYPE	IDS FE interface.
65	IF_IDSGE_TYPE	IDS GE interface.
66	IF_IDSXGE_TYPE	IDS 10-GE interface.
67	IF_RAGG_TYPE	Layer 3 aggregate interface.
68	IF_L2FGE_TYPE	Layer 2 40-GE interface.
69	IF_L2HGE_TYPE	Layer 2 100-GE interface.
70	IF_L3FGE_TYPE	Layer 3 40-GE interface.
71	IF_L3HGE_TYPE	Layer 3 100-GE interface.
72	IF_LOOPFGE_TYPE	Loopback 40-GE interface.
73	IF_LOOPHGE_TYPE	Loopback 100-GE interface.
74	IF_MIRRORFGE_TYPE	Mirroring 40-GE interface.
75	IF_MIRRORHGE_TYPE	Mirroring 100-GE interface.
76	IF_IDSFGGE_TYPE	IDS 40-GE interface.
77	IF_IDSHGE_TYPE	IDS 100-GE interface.
78	IF_FC_TYPE	FC interface.
79	IF_VFC_TYPE	VFC interface.
80	IF_FCB_TYPE	FC bundle interface.
81	IF_EVI_LINK_TYPE	EVI-link interface.
82	IF_SCHANNEL_TYPE	S-channel interface.
83	IF_FCM_TYPE	FCM interface.
84	IF_VPPP_TYPE	Virtual PPP interface.
85	IF_TRILL_REMOTE_TYPE	Remote TRILL interface.
86	IF_HDLCBUNDLE_TYPE	HDLC bundle interface.
87	IF_GSCHANNEL_TYPE	Aggregate S-channel interface.
88	IF_L2TGE_TYPE	Layer 2 20-GE interface.
89	IF_L3TGE_TYPE	Layer 3 20-GE interface.
90	IF_LOOPGTGE_TYPE	Loopback 20-GE interface.
91	IF_MIRRORGTGE_TYPE	Mirroring 20-GE interface.
92	IF_IDSTGE_TYPE	IDS 20-GE interface.
93	IF_AC_TYPE	AC interface.
94	IF_UPW_TYPE	U-PW interface.

Value	Interface type	Description
95	IF_NPW_TYPE	N-PW interface.
96	IF_TUNNEL_BUNDLE_TYPE	Tunnel bundle interface.
97	IF_EFM_TYPE	EFM interface.
98	IF_MAPPED_TYPE	Mapped interface.
99	IF_CBGE_TYPE	CBGE interface.
100	IF_CBXGE_TYPE	CBXGE interface.
101	IF_CBFGE_TYPE	CBFGE interface.
102	IF_CBHGE_TYPE	CBHGE interface.
103	IF_PEX_TYPE	PEX interface.
104	IF_VE_L2VPN_TYPE	L2VPN virtual Ethernet interface
105	IF_VE_L3VPN_TYPE	L3VPN virtual Ethernet interface
106	IF_BLADE_TYPE	Blade interface
107	IF_BLAGG_TYPE	Blade aggregation interface
108	IF_ETHCHANNEL_TYPE	
109	IF_BETH_TYPE	
110	IF_RETH_TYPE	
111	IF_CEM_TYPE	
128	IF_MAX_TYPE	N/A

Ifmgr/TrafficStatistics/Interfaces

This table contains interface traffic statistics during specific sampling periods.

XML structure

```

<Ifmgr>
  <TrafficStatistics>
    <Interfaces>
      <Interface>
        <IfIndex></IfIndex>
        <Name></Name>
        <Interval></Interval>
        <InPkts></InPkts>
        <OutPkts></OutPkts>
        <InOctets></InOctets>
        <OutOctets></OutOctets>
        <InBits></InBits>
        <OutBits></OutBits>
      </Interface>
    </Interfaces>
  </TrafficStatistics>

```

</Ifmgr>

Table description

Item	Description
Feature name	Ifmgr
Table name	Interfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index	Index	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in Ifmgr NETCONF XML API Configuration Reference.
Name	Full name of an interface	N/A	String. Length: 2 to 47 characters.
Interval	Sampling interval of an interface, in seconds	N/A	Unsigned integer.
InPkts	Number of inbound packets during a specific period	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.
OutPkts	Number of outbound packets during a specific period	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.
InOctets	Number of inbound bytes during a specific period	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.
OutOctets	Number of outbound bytes during a specific period	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.
InBits	Number of inbound bits during a specific period	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.
OutBits	Number of outbound bits during a specific period	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.

Ifmgr/TrafficStatistics/Interval

This table contains traffic sampling interval information of all interfaces.

XML structure

<Ifmgr>

```

<TrafficStatistics>
  <Interval>
    <Configurable></Configurable>
    <Interval></Interval>
  </Interval>
</TrafficStatistics>
</Ifmgr>

```

Table description

Item	Description
Feature name	Ifmgr
Table name	Interval
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Configurable	Whether the sampling interval for all interfaces can be configured.	N/A	Boolean: <ul style="list-style-type: none"> true false
Interval	Sampling interval of all interfaces, in seconds.	N/A	Unsigned integer. It is valid only when "Configurable" above is true.

Ifmgr/Statistics

This table contains interface statistics.

XML structure

```

<Ifmgr>
  <Statistics>
    <Interface>
      <IfIndex></IfIndex>
      <Name></Name>
      <AbbreviatedName></AbbreviatedName>
      <InOctets></InOctets>
      <InUcastPkts></InUcastPkts>
      <InNUcastPkts></InNUcastPkts>
      <InDiscards></InDiscards>
      <InErrors></InErrors>
    </Interface>
  </Statistics>
</Ifmgr>

```



```

<InUnknownProtos></InUnknownProtos>
<InRate></InRate>
<OutOctets></OutOctets>
<OutUcastPkts></OutUcastPkts>
<OutNUcastPkts></OutNUcastPkts>
<OutDiscards></OutDiscards>
<OutErrors></OutErrors>
<OutRate></OutRate>
<LastClear></LastClear>
<InPktRate></InPktRate>
<OutPktRate></OutPktRate>
</Interface>
</Statistics>
</Ifmgr>

```

Table description

Item	Description
Feature name	Ifmgr
Table name	Statistics
Table type	Multi-instance table
Row name	Interface
Restrictions	The statistics can be cleared.

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index.	Index	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
Name	Full name of an interface.	N/A	String. Length: 2 to 47 characters. Example: GigabitEthernet2/0/2
AbbreviatedName	Abbreviated name of an interface.	N/A	String. Length: 2 to 47 characters. Example: GE2/0/2
InOctets	Number of inbound bytes on an interface.	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.
InUcastPkts	Number of inbound unicast packets on an interface.	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.

Column name	Column description	Column type	Data type and restrictions
InNUcastPkts	Number of inbound non-unicast packets on an interface.	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.
InDiscards	Number of discarded inbound packets on an interface.	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.
InErrors	Number of errored inbound packets on an interface.	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.
InUnknownProtos	Number of unsupported and unknown inbound packets on an interface.	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.
InRate	Rate of inbound bytes on an interface.	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.
OutOctets	Number of outbound bytes on an interface.	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.
OutUcastPkts	Number of outbound unicast packets on an interface.	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.
OutNUcastPkts	Number of outbound non-unicast packets on an interface.	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.
OutDiscards	Number of discarded outbound packets on an interface.	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.
OutErrors	Number of errored outbound packets on an interface.	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.
OutRate	Rate of outbound bytes on an interface.	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.
LastClear	Local time when the statistics on an interface were cleared most recently.	N/A	DateTime. Format: YYYY-MM-DDTHH:MM:SS.
InPktRate	Rate of inbound packets on an interface.	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.
OutPktRate	Rate of outbound packets on an interface.	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.

Ifmgr/Ports

This table contains port information, such as all physical Ethernet interfaces, Layer 2 aggregate interface, Layer 2 VE interface, Layer 2 RPR logical interface, WLAN ESS interface, WLAN BSS interface, WLAN DBSS interface, WLAN tunnel interface, S-channel interface, Aggregate S-channel interface and other logical interfaces which are not Layer 2 Ethernet subinterfaces.

XML structure

```
<Ifmgr>
```

```

<Ports>
  <Port>
    <PortIndex></PortIndex>
    <Name></Name>
    <IfIndex></IfIndex>
  </Port>
</Ports>
</Ifmgr>

```

Table description

Item	Description
Feature name	Ifmgr
Table name	Ports
Table type	Multi-instance table
Row name	Port
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
PortIndex	Port index	Index	Unsigned integer.
Name	Full name of an interface	N/A	String. Length: 2 to 47 characters.
IfIndex	Interface index	N/A	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.

Ifmgr/InterfaceCapabilities

This table contains port capability information.

XML structure

```

<Ifmgr>
  <InterfaceCapabilities>
    <Interface>
      <IfIndex></IfIndex>
      <Configurable></Configurable>
      <Shutdown></Shutdown>
      <Speed></Speed>
    </Interface>
  </InterfaceCapabilities>
</Ifmgr>

```

```

    <AutoSpeed></AutoSpeed>
    <Duplex></Duplex>
    <PortLayer></PortLayer>
    <Loopback></Loopback>
    <MDI></MDI>
    <Bandwidth></Bandwidth>
    <MinMTU></MinMTU>
    <MaxMTU></MaxMTU>
    <MinSubNum></MinSubNum>
    <MaxSubNum></MaxSubNum>
    <MaxCreateSubNum></MaxCreateSubNum>
    <ContextAllocType></ContextAllocType>
    <Removable></Removable>
    <Interval></Interval>
    <ForceUP></ForceUP>
    <LoopbackAutoStop></LoopbackAutoStop>
  </Interface>
</InterfaceCapabilities>
</Ifmgr>

```

Table description

Item	Description
Feature name	Ifmgr
Table name	InterfaceCapabilities
Table type	Multi-instance table
Row name	Interface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in Ifmgr NETCONF XML API Configuration Reference.
Configurable	Whether the interface is configurable.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Shutdown	Whether the interface can be shutdown manually.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
Speed	Modes of speed which can be configured.	N/A	Each bit represents a speed. As follows: <ul style="list-style-type: none"> 1—Auto 2—10Mbps 4—100Mbps 8—155Mbps 16—622Mbps 32—1Gbps 64—2Gbps 128—2.5Gbps 256—4Gbps 512—8Gbps 1024—10Gbps 2048—16Gbps 4096—20Gbps 8192—40Gbps 16384—100Gbps 32768—5Gbps 	Example: 38 —Speed 10Mbps, 100Mbps, and 1Gbps are configurable.
AutoSpeed	Modes of auto-negotiation speed which can be configured.	N/A	Each bit represents a speed. As follows: <ul style="list-style-type: none"> 1—10Mbps 2—100Mbps 4—1Gbps 	Example: 6—auto-negotiation speed 100Mbps and 1Gbps are configurable.
Duplex	Modes of duplex which can be configured.	N/A	Each bit represents a kind of duplex mode. As follows: <ul style="list-style-type: none"> 1— Full 2—Half 4—Auto 	Applicable to only Ethernet interfaces. Example: 7—Duplex mode 'Full', 'Half' Auto 'Half' are configurable.
PortLayer	Whether the port layer can be changed.	N/A	Boolean: <ul style="list-style-type: none"> true false 	Applicable to only Ethernet interfaces.
Loopback	Whether the loopback test can be configured.	N/A	Boolean: <ul style="list-style-type: none"> true false 	Applicable to only Ethernet interfaces and AUX.
MDI	Types of MDI which can be configured.	N/A	Each bit represents a type of the line connected to the port. <ul style="list-style-type: none"> 1: mdi (straight-through cable) 2: mdix (crossover cable) 4: automdix (auto-sensing) 	Applicable to only Layer 2 Ethernet interfaces. Example: 7—'mdi', 'mdix' and 'automdix' are configurable.

Column name	Column description	Column type	Data type and restrictions	Remarks
Bandwidth	Whether the bandwidth can be configured.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
MinMTU	The minimum MTU which can be configured.	N/A	Unsigned integer.	Applicable to only Layer 3 interfaces.
MaxMTU	The maximum MTU which can be configured.	N/A	Unsigned integer.	Applicable to only Layer 3 interfaces.
MinSubNum	Minimum sub-interface number.	N/A	Unsigned integer.	N/A
MaxSubNum	Maximum sub-interface number.	N/A	Unsigned integer.	N/A
MaxCreateSubNum	The total numbers of sub-interface which can be created.	N/A	Unsigned integer.	N/A
ContextAllocType	The allocation type of an interface for CONTEXT.	N/A	Each bit represents an allocation type. As follows: <ul style="list-style-type: none"> 1—The allocation type is shared. 2—The allocation type is exclusive. 	Example: 3—The allocation types can be both shared and exclusive.
Removable	Whether the interface can be deleted.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
Interval	Whether the sampling interval can be configured.	N/A	Boolean: <ul style="list-style-type: none"> true false 	
ForceUP	Whether port force up can be configured.	N/A	Boolean: <ul style="list-style-type: none"> true false 	Applicable to only Ethernet and POS interfaces.
LoopbackAutoStop	Whether the loopback detection can be auto stop.	N/A	Boolean: <ul style="list-style-type: none"> true false 	

Ifmgr/TypeCapabilities

This table contains interface type capability information.

XML structure

```
<Ifmgr>
  <TypeCapabilities>
    <Capability>
      <IfTypeExt></IfTypeExt>
      <MinNum></MinNum>
      <MaxNum></MaxNum>
      <MinSubNum></MinSubNum>
      <MaxSubNum></MaxSubNum>
      <MaxCreateNum></MaxCreateNum>
      <MaxCreateSubNum></MaxCreateSubNum>
      <MAC></MAC>
    </Capability>
  </TypeCapabilities>
</Ifmgr>
```

Table description

Item	Description
Feature name	Ifmgr
Table name	TypeCapabilities
Table type	Multi-instance table
Row name	Capability
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfTypeExt	Interface Type.	Index	Unsigned integer.	Refer to ifTypeExt object in table of Interfaces.
MinNum	Minimum interface number.	N/A	Unsigned integer.	N/A
MaxNum	Maximum interface number.	N/A	Unsigned integer.	N/A
MinSubNum	Minimum sub-interface number.	N/A	Unsigned integer.	Refer to MinSubNum in table of InterfaceCapabilities.
MaxSubNum	Maximum sub-interface number.	N/A	Unsigned integer.	Refer to MaxSubNum in table of InterfaceCapabilities.

Column name	Column description	Column type	Data type and restrictions	Remarks
				es.
MaxCreateNum	Total interface numbers which can be created.	N/A	Unsigned integer.	N/A
MaxCreateSubNum	Total sub-interface numbers which can be created.	N/A	Unsigned integer.	Refer to MaxCreateSubNum in table of InterfaceCapabilities.
MAC	Check whether a MAC address can be configured.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A

Ifmgr/EthInterfaces

This table contains Ethernet interface information.

XML structure

```

<Ifmgr>
  <EthInterfaces>
    <Interface>
      <IfIndex></IfIndex>
      <Combo></Combo>
      <FlowControl></FlowControl>
      <AutoPowerDown></AutoPowerDown>
      <Jumboframe></Jumboframe>
      <BroadcastSuppression>
        <ConfigValue></ConfigValue>
        <ActualValue></ActualValue>
        <Unit></Unit>
      </BroadcastSuppression>
      <MulticastSuppression>
        <ConfigValue></ConfigValue>
        <ActualValue></ActualValue>
        <Unit></Unit>
      </MulticastSuppression>
      <UnknownUnicastSuppression>
        <ConfigValue></ConfigValue>
        <ActualValue></ActualValue>
        <Unit></Unit>
      </UnknownUnicastSuppression>
      <BPDUDrop></BPDUDrop>
      <EEE></EEE>
      <ConnectMode></ConnectMode>
    </Interface>
  
```



```

    </EthInterfaces>
  </Ifmgr>

```

Table description

Item	Description
Feature name	Ifmgr
Table name	EthInterfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	Applicable to only Ethernet interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in Ifmgr NETCONF XML API Configuration Reference.
Combo	Combo mode of an interface	N/A	Enumeration: <ul style="list-style-type: none"> 1—fiber mode 2—copper mode 	Applicable to only Ethernet interfaces.
FlowControl	Flow control information of an interface	N/A	Enumeration: <ul style="list-style-type: none"> 1—Enable flow control 2—Disable 3—Only enable flow control packet receiving 	Applicable to only Physical interfaces.
AutoPowerDown	Port auto power down	N/A	Boolean: <ul style="list-style-type: none"> true false 	Applicable to only Physical interfaces.
Jumboframe	Jumbo frame information of an interface	N/A	Unsigned integer, the value is 0 if jumbo frame is disable on an interface.	
BroadcastSuppression	Broadcast suppression information of an interface	N/A	Include: <ul style="list-style-type: none"> Value Unit 	
ConfigValue	Configured broadcast suppression value of an interface	N/A	Unsigned integer. Value range: <ul style="list-style-type: none"> ratio: 0 to 100 pps: 0 to 1.4881 × the maximum interface rate. 	

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> kbps: 0 to the maximum interface rate 	
ActualValue	Actual broadcast suppression value of an interface	N/A	Unsigned integer. Value range: <ul style="list-style-type: none"> ratio: 0 to 100 pps: 0 to $1.4881 \times$ the maximum interface rate. kbps: 0 to the maximum interface rate 	
Unit	Broadcast suppression unit	N/A	Enumeration: <ul style="list-style-type: none"> 1—ratio 2—pps 3—kbps 	
MulticastSuppression	Multicast suppression information of an interface	N/A	Include: <ul style="list-style-type: none"> Value Unit 	
ConfigValue	Configured multicast suppression value of an interface	N/A	Unsigned integer. Value range: <ul style="list-style-type: none"> ratio: 0 to 100 pps: 0 to $1.4881 \times$ the maximum interface rate. kbps: 0 to the maximum interface rate 	
ActualValue	Actual multicast suppression value of an interface	N/A	Unsigned integer. Value range: <ul style="list-style-type: none"> ratio: 0 to 100 pps: 0 to $1.4881 \times$ the maximum interface rate. kbps: 0 to the maximum interface rate 	
Unit	Multicast suppression unit	N/A	Enumeration: <ul style="list-style-type: none"> 1—ratio 2—pps 3—kbps 	
UnknownUnicastSuppression	UnknownUnicast suppression information of an interface	N/A	Include: <ul style="list-style-type: none"> Value Unit 	
ConfigValue	Configured unknownUnicast suppression value of an interface	N/A	Unsigned integer. Value range: <ul style="list-style-type: none"> ratio: 0 to 100 pps: 0 to $1.4881 \times$ the maximum interface rate. kbps: 0 to the maximum interface rate 	
ActualValue	Actual unknownUnicast suppression value of an interface	N/A	Unsigned integer. Value range: <ul style="list-style-type: none"> ratio: 0 to 100 pps: 0 to $1.4881 \times$ the maximum interface rate. 	

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> kbps: 0 to the maximum interface rate 	
Unit	UnknownUnicast suppression unit	N/A	Enumeration: <ul style="list-style-type: none"> 1—ratio 2—pps 3—kbps 	
BPDUDrop	Whether any type of IEEE BPDU is drop on the port.	N/A	Boolean: <ul style="list-style-type: none"> true false 	Applicable to only Layer 2 Physical interfaces.
EEE	Whether energy efficient ethernet is enable on the port.	N/A	Boolean: <ul style="list-style-type: none"> true false 	Applicable to only Physical interfaces.
ConnectMode	Port connection mode of an interface.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Normal connection mode 2—Extend connection mode 	Applicable to only Layer 2 10GE interfaces.

Ifmgr/EthInterfaceCapabilities

This table contains ethernet port capability information.

XML structure

```

<Ifmgr>
  <EthInterfaceCapabilities>
    <Interface>
      <IfIndex></IfIndex>
      <Combo></Combo>
      <StormConstrain></StormConstrain>
      <FlowControl></FlowControl>
      <AutoPowerDown></AutoPowerDown>
      <MinJumboframe></MinJumboframe>
      <MaxJumboframe></MaxJumboframe>
      <BPDUDrop></BPDUDrop>
      <EEE></EEE>
      <ConnectMode></ConnectMode>
    </Interface>
  </EthInterfaceCapabilities>
</Ifmgr>

```

Table description

Item	Description
Feature name	Ifmgr
Table name	EthInterfaceCapabilities
Table type	Multi-instance table
Row name	Interface
Restrictions	Applicable to only Ethernet interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
Combo	Whether the fiber mode or copper mode can be activated.	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	
StormConstrain	Whether storm constrain can be configured.	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	Applicable to only L2 Ethernet interfaces.
FlowControl	Whether flow control can be configured.	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	Applicable to only physical interfaces.
AutoPowerDown	Whether auto power down can be configured.	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	Applicable to only physical interfaces.
MinJumboframe	The minimum jumboframe which can be configured.	N/A	Unsigned integer.	Applicable to only physical interfaces.
MaxJumboframe	The maximum jumboframe which can be configured.	N/A	Unsigned integer.	Applicable to only physical interfaces.
BPDUDrop	Whether bpdu	N/A	Boolean:	Applicable to only

Column name	Column description	Column type	Data type and restrictions	Remarks
	drop can be configured.		<ul style="list-style-type: none"> true false 	Layer 2 Physical interfaces.
EEE	Whether energy efficient ethernet can be configured.	N/A	Boolean: <ul style="list-style-type: none"> true false 	Applicable to only Physical interfaces.
ConnectMode	Whether port connection mode can be configured.	N/A	Boolean: <ul style="list-style-type: none"> true false 	Applicable to only Layer 2 10GE interfaces.

Ifmgr/StormConstrain/Interfaces

This table contains interface storm constrain information.

XML structure

```

<Ifmgr>
  <StormConstrain>
    <Interfaces>
      <Interface>
        <IfIndex></IfIndex>
        <CtlMode></CtlMode>
        <Trap></Trap>
        <Log></Log>
        <Broadcast>
          <Upper></Upper>
          <Lower></Lower>
          <Unit></Unit>
          <Forward></Forward>
          <SwitchNum></SwitchNum>
        </Broadcast>
        <Multicast>
          <Upper></Upper>
          <Lower></Lower>
          <Unit></Unit>
          <Forward></Forward>
          <SwitchNum></SwitchNum>
        </Multicast>
        <UnknownUnicast>
          <Upper></Upper>
          <Lower></Lower>
          <Unit></Unit>
          <Forward></Forward>
          <SwitchNum></SwitchNum>
        </UnknownUnicast>
      </Interface>
    </Interfaces>
  </StormConstrain>
</Ifmgr>

```

```

    <KnownUnicast>
      <Upper></Upper>
      <Lower></Lower>
      <Unit></Unit>
      <Forward></Forward>
      <SwitchNum></SwitchNum>
    </KnownUnicast>
  </Interface>
</Interfaces>
</StormConstrain>
</Ifmgr>

```

Table description

Item	Description
Feature name	Ifmgr
Table name	Interfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	Applicable to only Layer 2 physical Ethernet interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
CtlMode	Storm constrain protective action	N/A	Enumeration: <ul style="list-style-type: none"> 0—N/A 1—Block 2—Shutdown 	
Trap	Event trap switch	N/A	Boolean: <ul style="list-style-type: none"> true false 	
Log	Event log switch	N/A	Boolean: <ul style="list-style-type: none"> true 	

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> false 	
Broadcast	Broadcast storm constrain information of an interface	N/A	Include: <ul style="list-style-type: none"> Upper Lower Unit Forward SwitchNum 	
Upper	Broadcast upper threshold value	N/A	Unsigned integer. Value range: <ul style="list-style-type: none"> pps: 1 to $1.4881 \times$ the maximum interface rate ratio: 1 to 100 kbps: 1 to the maximum interface rate 	
Lower	Broadcast lower threshold value	N/A	Unsigned integer. Value range: <ul style="list-style-type: none"> pps: 1 to $1.4881 \times$ the maximum interface rate ratio: 1 to 100 kbps: 1 to the maximum interface rate 	
Unit	Broadcast threshold unit	N/A	Enumeration: <ul style="list-style-type: none"> 1—pps 2—ratio 3—kbps 	
Forward	Broadcast traffic forwarding status	N/A	Enumeration: <ul style="list-style-type: none"> 0—Forwarding 1—Block 2—Shutdown 	
SwitchNum	Number of broadcast traffic forwarding state changes	N/A	Unsigned integer.	
Multicast	Multicast storm constrain information of an interface	N/A	Include: <ul style="list-style-type: none"> Upper Lower Unit Forward SwitchNum 	
Upper	Multicast upper threshold value	N/A	Unsigned integer. Value range: <ul style="list-style-type: none"> pps: 1 to $1.4881 \times$ the maximum interface rate ratio: 1 to 100 kbps: 1 to the maximum interface rate 	
Lower	Multicast lower threshold value	N/A	Unsigned integer. Value range: <ul style="list-style-type: none"> pps: 1 to $1.4881 \times$ the maximum interface rate ratio: 1 to 100 kbps: 1 to the maximum 	

Column name	Column description	Column type	Data type and restrictions	Remarks
			interface rate	
Unit	Multicast threshold unit	N/A	Enumeration: <ul style="list-style-type: none"> 1—pps 2—ratio 3—kbps 	
Forward	Multicast traffic forwarding status	N/A	Enumeration: <ul style="list-style-type: none"> 0—Forwarding 1—Block 2—Shutdown 	
SwitchNum	Number of multicast traffic forwarding state changes	N/A	Unsigned integer.	
UnknownUnicast	Unknown-unicast storm constrain information of an interface	N/A	Include: <ul style="list-style-type: none"> Upper Lower Unit Forward SwitchNum 	
Upper	Unknown-unicast upper threshold value	N/A	Unsigned integer. Value range: <ul style="list-style-type: none"> pps: 1 to $1.4881 \times$ the maximum interface rate ratio: 1 to 100 kbps: 1 to the maximum interface rate 	
Lower	Unknown-unicast lower threshold value	N/A	Unsigned integer. Value range: <ul style="list-style-type: none"> pps: 1 to $1.4881 \times$ the maximum interface rate ratio: 1 to 100 kbps: 1 to the maximum interface rate 	
Unit	Unknown-unicast unit	N/A	Enumeration: <ul style="list-style-type: none"> 1—pps 2—ratio 3—kbps 	
Forward	Unknown-unicast traffic forwarding status	N/A	Enumeration: <ul style="list-style-type: none"> 0—Forwarding 1—Block 2—Shutdown 	
SwitchNum	Number of unknown-unicast traffic forwarding state changes	N/A	Unsigned integer.	
KnownUnicast	Known-unicast storm constrain information of an interface	N/A	Include: <ul style="list-style-type: none"> Upper Lower Unit Forward 	

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> SwitchNum 	
Upper	Known-unicast upper threshold value	N/A	Unsigned integer. Value range: <ul style="list-style-type: none"> pps: 1 to $1.4881 \times$ the maximum interface rate ratio: 1 to 100 kbps: 1 to the maximum interface rate 	
Lower	Known-unicast lower threshold value	N/A	Unsigned integer. Value range: <ul style="list-style-type: none"> pps: 1 to $1.4881 \times$ the maximum interface rate ratio: 1 to 100 kbps: 1 to the maximum interface rate 	
Unit	Known-unicast unit	N/A	Enumeration: <ul style="list-style-type: none"> 1—pps 2—ratio 3—kbps 	
Forward	Known-unicast traffic forwarding status	N/A	Enumeration: <ul style="list-style-type: none"> 0—Forwarding 1—Block 2—Shutdown 	
SwitchNum	Number of known-unicast traffic forwarding state changes	N/A	Unsigned integer.	

Ifmgr/StormConstrain/Interval

This table contains storm constrain traffic collection interval information.

XML structure

```

<Ifmgr>
  <StormConstrain>
    <Interval>
      <Interval></Interval>
    </Interval>
  </StormConstrain>
</Ifmgr>

```

Table description

Item	Description
Feature name	Ifmgr
Table name	Interval

Item	Description
Table type	Single-instance table
Row name	N/A
Restrictions	

Columns

Column name	Column description	Column type	Data type and restrictions
Interval	Traffic statistics collection interval for storm constrain on all interfaces, in seconds	N/A	Unsigned integer. Value range: 1 to 300.

Ifmgr/PortIsolation/Groups

This table contains port isolation groups information.

XML structure

```

<Ifmgr>
  <PortIsolation>
    <Groups>
      <Group>
        <IsolatedGroupID></IsolatedGroupID>
        <InterfaceList></InterfaceList>
      </Group>
    </Groups>
  </PortIsolation>
</Ifmgr>

```

Table description

Item	Description
Feature name	Ifmgr
Table name	Groups
Table type	Multi-instance table
Row name	Group
Restrictions	Applicable to only Layer 2 interfaces of Ethernet and aggregation.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IsolatedGroup ID	Isolation group ID.	Index	Unsigned integer.	
InterfaceList	Interface IfIndex list of an isolation group ID.	N/A	Number string. It is a comma-separated list of IfIndex items. An item can be an individual IfIndex or an IfIndex range. Use a hyphen (-) to separate the start and end IfIndexes of a range. The string must not end with a comma or hyphen, or include any whitespace characters.	Examples: 1,2,3,5-8,10-20 Example: 1,2,3,5-8,10-20. Available IfIndexes are in the IfIndex column in the Ifmgr/Interfaces table.

Ifmgr/PortIsolation/Interfaces

This table contains interface isolation information.

XML structure

```
<Ifmgr>
  <PortIsolation>
    <Interfaces>
      <Interface>
        <IfIndex></IfIndex>
        <IsolatedGroupID></IsolatedGroupID>
      </Interface>
    </Interfaces>
  </PortIsolation>
</Ifmgr>
```

Table description

Item	Description
Feature name	Ifmgr
Table name	Interfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	Applicable to only Layer 2 interfaces of Ethernet and aggregation.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
IsolatedGroup ID	Port isolation group ID of an interface	N/A	Unsigned integer.	

Ifmgr/PortIsolation/Capabilities

This table contains port isolation groups capabilities on device.

XML structure

```
<Ifmgr>
  <PortIsolation>
    <Capabilities>
      <MaxGroupNum></MaxGroupNum>
    </Capabilities>
  </PortIsolation>
</Ifmgr>
```

Table description

Item	Description
Feature name	Ifmgr
Table name	Capabilities
Table type	Single-instance table
Row name	N/A
Restrictions	

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
MaxGroupNum	The maximum port isolation group number.	N/A	Unsigned integer.	

Ifmgr/DeviceCapabilities

This table contains the capabilities of the interfaces on device.

XML structure

```
<Ifmgr>
  <DeviceCapabilities>
    <ManualNoLoopBack></ManualNoLoopBack>
  </DeviceCapabilities>
</Ifmgr>
```

Table description

Item	Description
Feature name	Ifmgr
Table name	DeviceCapabilities
Table type	Single-instance table
Row name	N/A
Restrictions	

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ManualNoLoopBack	Whether you need to stop the loopback test on an interface manually	N/A	Boolean: <ul style="list-style-type: none">truefalse	

Ifmgr/ReserveVlanInterface

This table contains the reservation of VLAN interface resources.

XML structure

```
<Ifmgr>
  <ReserveVlanInterface>
    <VlanInterface>
      <Type></Type>
      <VlanList></VlanList>
    </VlanInterface>
  </ReserveVlanInterface>
</Ifmgr>
```

Table description

Item	Description
Feature name	Ifmgr
Table name	ReserveVlanInterface
Table type	Multi-instance table
Row name	VlanInterface
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Type	Whether the reservation of VLAN interface resources is global or local.	Index	Enumeration: <ul style="list-style-type: none">1—Global.2—Local	The reservation of global VLAN interface resources or local VLAN interface resources.
VlanList	List of VLANs for the reservation of VLAN interface resources.	N/A	Number string. It is a comma-separated list of VLAN items. An item can be an individual VLAN ID or a VLAN ID range. Use a hyphen (-) to separate the start and end VLANs of a range. The string cannot end with a comma or hyphen, or include any whitespace characters.	Example: 1,2,3,5-8,10-20

Ifmgr/SubChannel

This table contains the sub channel index information of interface.

XML structure

```
<Ifmgr>
  <SubChannel>
    <Interface>
      <IfIndex></IfIndex>
      <CreateMode></CreateMode>
      <SubChannelIndex></SubChannelIndex>
    </Interface>
  </SubChannel>
</Ifmgr>
```

Table description

Item	Description
Feature name	Ifmgr
Table name	SubChannel
Table type	Multi-instance table
Row name	Interface
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
CreateMode	The mode of creating sub channel.	Index	Enumeration: <ul style="list-style-type: none">1—serial-set2—eth-channel	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
SubChannelIndex	The interface index of each subchannel.	Index	Unsigned integer	N/A

Ifmgr/CellularChannel

This table contains sub channel creating information of cellular controller.

XML structure

```

<Ifmgr>
  <CellularChannel>
    <Interface>
      <IfIndex></IfIndex>
      <CreateMode></CreateMode>
      <ChannelNum></ChannelNum>
    </Interface>
  </CellularChannel>
</Ifmgr>

```

Table description

Item	Description
Feature name	Ifmgr
Table name	CellularChannel
Table type	Multi-instance table
Row name	Interface
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API

Column name	Column description	Column type	Data type and restrictions	Remarks
				Configuration Reference.
CreateMode	The mode of creating sub channel.	Index	Enumeration: <ul style="list-style-type: none"> 1—serial-set 2—eth-channel 	N/A
ChannelNum	Sub channel number.	Index	Unsigned integer	N/A

Ifmgr/NewSubInterfaces

This table contains creating information of sub-interfaces.

XML structure

```

<Ifmgr>
  <NewSubInterfaces>
    <Interface>
      <IfIndex></IfIndex>
      <SubNum></SubNum>
    </Interface>
  </NewSubInterfaces>
</Ifmgr>

```

Table description

Item	Description
Feature name	Ifmgr
Table name	NewSubInterfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer	Interface index of the main interface.

Column name	Column description	Column type	Data type and restrictions	Remarks
				Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
SubNum	Sub-interface number.	Index	Unsigned integer	The range for SubNum is shown in the InterfaceCapabilities table.

Contents

- Interface event 1
 - XML structure for event subscription 1
 - XML structure for event report 1
- Bandwidth event 3
 - XML structure for event subscription 3
 - XML structure for event report 4
- Speed event..... 5
 - XML structure for event subscription 5
 - XML structure for event report 5

Interface event

This event is used to report interface active/deactive or up/down information.

XML structure for event subscription

```
<InterfaceEvent>
  <Interface>
    <Name></Name>
  </Interface>
</InterfaceEvent>
```

Example:

```
<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"
xmlns:xs="http://www.h3c.com/netconf/base:1.0">
  <create-subscription xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
    <stream>Ifmgr</stream>
    <filter type="subtree">
      <InterfaceEvent xmlns="http://www.h3c.com/netconf/event:1.0/Ifmgr:1.0">
        <Interface>
          <Name>Serial2/0/1</Name>
        </Interface>
      </InterfaceEvent>
    </filter>
  </create-subscription>
</rpc>
```

Table description

Item	Description
Event stream name	Ifmgr
Event name	InterfaceEvent
Event namespace	http://www.h3c.com/netconf/event:1.0/Ifmgr:1.0
Support for extended query	No

Columns

Column name	Column description	Data type and restrictions	Support for extended queries
IfIndex	Interface index	Unsigned integer.	No
Name	Interface name	String. Size: 1 to 47	No

XML structure for event report

```
<InterfaceEvent>
```

```

<Interface>
  <Name></Name>
  <Status></Status>
  <IfIndex></IfIndex>
  <Adminstatus></Adminstatus>
  <Operstatus></Operstatus>
  <Description></Description>
</Interface>
</InterfaceEvent>

```

Example:

```

<notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
  <eventTime>2016-07-21T09:10:51</eventTime>
  <InterfaceEvent xmlns="http://www.h3c.com/netconf/event:1.0/Ifmgr:1.0">
    <Interface>
      <Name>Serial2/0/1</Name>
      <Status>IF_ACTIVE</Status>
      <IfIndex></IfIndex>
      <Description>The Interface GigabitEthernet2/0/1 occurred IF_ACTIVE event,the
        administration status is Admin Up, operation status is
        OPER_UP.</Description>
      <Adminstatus >ADMIN_UP</Adminstatus>
      <Operstatus>OPER_UP</Operstatus>
    </Interface>
  </InterfaceEvent>
</notification>

```

Columns

Column name	Column description	Data type and restrictions	Support for extended queries
Name	Interface name	String. Size: 1 to 47	No
Status	Interface status	Enumeration: <ul style="list-style-type: none"> IF_ACTIVE IF_DEACTIVE IF_PHY_UP IF_PHY_DOWN IF_LINK_UP IF_LINK_DOWN 	No
Description	Ifmgr event description	String. Size: 1 to 255	No
IfIndex	Interface index	Unsigned integer.	No
AdminStatus	Administration status of an interface	Unsigned integer. <ul style="list-style-type: none"> 1—Admin Up. 2—Admin Down. 	No
OperStatus	Operation status of an interface	Unsigned short.	No

Column name	Column description	Data type and restrictions	Support for extended queries
		<ul style="list-style-type: none"> 1—oper_up. 2—oper_down. 3—oper_testing. 4—oper_unknown. 5—oper_dormant. 6—oper_notPresent. 7—oper_lowerLayerDown. 	

Bandwidth event

This event is used to report bandwidth change information.

XML structure for event subscription

```
<InterfaceBandWidthEvent>
  <InterfaceBandWidth>
    <Name></Name>
  </InterfaceBandWidth>
</InterfaceBandWidthEvent>
```

Example:

```
<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"
xmlns:xs="http://www.h3c.com/netconf/base:1.0">
  <create-subscription xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
    <stream>Ifmgr</stream>
    <filter type="subtree">
      <InterfaceBandWidthEvent xmlns="http://www.h3c.com/netconf/event:1.0/Ifmgr:1.0">
        <InterfaceBandWidth>
          <Name>Serial2/0/1</Name>
        </InterfaceBandWidth>
      </InterfaceBandWidthEvent>
    </filter>
  </create-subscription>
</rpc>
```

Table description

Item	Description
Event stream name	Ifmgr
Event name	BandwidthEvent
Event namespace	http://www.h3c.com/netconf/event:1.0/Ifmgr:1.0
Support for extended query	No

Columns

Column name	Column description	Data type and restrictions	Support for extended queries
IfIndex	Interface index	Unsigned integer	No
Name	Interface name	String. Size: 1 to 47	No

XML structure for event report

```
<InterfaceBandWidthEvent>
  <InterfaceBandWidth>
    <IfIndex></IfIndex>
    <Name></Name>
    <CfgBandWidth></CfgBandWidth>
    <Description></Description>
  </InterfaceBandWidth>
</InterfaceBandWidthEvent>
```

Example 1:

```
<notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
  <eventTime>2016-07-21T09:10:51</eventTime>
  <InterfaceBandWidthEvent xmlns="http://www.h3c.com/netconf/event:1.0/Ifmgr:1.0">
    <InterfaceBandWidth>
      <IfIndex>274</IfIndex>
      <Name>GigabitEthernet2/0/1</Name>
      <CfgBandWidth>100000</CfgBandWidth>
      <Description> The interface GigabitEthernet2/2/7/2 's configured bandwidth is
        100000.</Description>
    </InterfaceBandWidth>
  </InterfaceBandWidthEvent>
</notification>
```

Columns

Column name	Column description	Data type and restrictions	Support for extended queries
IfIndex	Interface index	Unsigned integer.	No
Name	Interface name	String. Size: 1 to 47	No
BandWidth	Effective bandwidth value	Unsigned integer.	No
CfgBandWidth	Configured bandwidth value	Unsigned integer.	No
Description	Ifmgr event description	String. Size: 1 to 255	No

Speed event

This event is used to report baud-rate or speed-rate change information.

XML structure for event subscription

```
<InterfaceSpeedEvent>
  <InterfaceSpeed>
    <Name></Name>
  </InterfaceSpeed>
</InterfaceSpeedEvent>
```

Example:

```
<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"
xmlns:xs="http://www.h3c.com/netconf/base:1.0">
  <create-subscription xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
    <stream>Ifmgr</stream>
    <filter type="subtree">
      <InterfaceSpeedEvent xmlns="http://www.h3c.com/netconf/event:1.0/Ifmgr:1.0">
        <InterfaceSpeed>
          <Name>Serial2/0/1</Name>
        </InterfaceSpeed>
      </InterfaceSpeedEvent>
    </filter>
  </create-subscription>
</rpc>
```

Table description

Item	Description
Event stream name	Ifmgr
Event name	SpeedEvent
Event namespace	http://www.h3c.com/netconf/event:1.0/Ifmgr:1.0
Support for extended query	No

Columns

Column name	Column description	Data type and restrictions	Support for extended queries
IfIndex	Interface index	Unsigned integer	No
Name	Interface name	String. Size: 1 to 47	No

XML structure for event report

```
<InterfaceSpeedEvent>
  <InterfaceSpeed>
```



```

    <Name></Name>
    <BandWidth></BandWidth>
    <Description></Description>
  </InterfaceSpeed>
</InterfaceSpeedEvent>

```

Example 1:

```

<notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
  <eventTime>2016-07-21T09:10:51</eventTime>
  <InterfaceSpeedEvent xmlns="http://www.h3c.com/netconf/event:1.0/Ifmgr:1.0">
    <InterfaceSpeed>
      <IfIndex>274</IfIndex>
      <Name>GigabitEthernet2/0/1</Name>
      <Bandwidth>5000</Bandwidth>
      <Description>The effective-bandwidth(baud-rate) of GigabitEthernet2/0/1 is
        50000.</Description>
    </InterfaceSpeed>
  </InterfaceSpeedEvent>
</notification>

```

Columns

Column name	Column description	Data type and restrictions	Support for extended queries
IfIndex	Interface index	Unsigned integer.	No
Name	Interface name	String. Size: 1 to 47	No
EffecBandwidth	Effective bandwidth value	Unsigned integer.	No
Description	Ifmgr event description	String. Size: 1 to 255	No

Contents

- IPv4Address event 1
 - XML structure for event subscription 1
 - XML structure for event report 1

IPv4Address event

This event is used to report IPv4 address information when the IPv4 address of interface is changed.

XML structure for event subscription

```
<IPv4AddressEvent>
  <IPv4Address>
    <Name></Name>
  </IPv4Address>
</IPv4AddressEvent>
```

Example:

```
<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"
xmlns:xs="http://www.h3c.com/netconf/base:1.0">
  <create-subscription xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
    <stream>IPv4Address</stream>
    <filter type="subtree">
      <IPv4AddressEvent xmlns="http://www.h3c.com/netconf/event:1.0/IPv4Address:1.0">
        <IPv4Address>
          <Name>GigabitEthernet2/0/1</Name>
        </IPv4Address>
      </IPv4AddressEvent>
    </filter>
  </create-subscription>
</rpc>
```

Table description

Item	Description
Event stream name	IPv4Address
Event name	IPv4AddressEvent
Event namespace	http://www.h3c.com/netconf/event:1.0/IPv4Address:1.0
Support for extended query	No

Columns

Column name	Column description	Data type and restrictions	Support for extended queries
Name	Interface name	String. Length: 1 to 47 characters.	No

XML structure for event report

```
<IPv4AddressEvent>
  <IPv4Address>
```

```

    <Name></Name>
    <Ipv4Address></Ipv4Address>
    <Ipv4Mask></Ipv4Mask>
    <AddressOrigin></AddressOrigin>
    <AddressStatus></AddressStatus>
    <AddressEvent></AddressEvent>
  </IPv4Address>
</IPv4AddressEvent>

```

Example:

```

<notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
  <eventTime>2016-07-21T09:10:51</eventTime>
  <IPv4AddressEvent xmlns="http://www.h3c.com/netconf/event:1.0/IPv4Address:1.0">
    <IPv4Address>
      <Name>GigabitEthernet2/0/1</Name>
      <Ipv4Address>1.1.1.1</Ipv4Address>
      <Ipv4Mask>255.255.255.0</Ipv4Mask>
      <AddressOrigin>1</AddressOrigin>
      <AddressStatus>1</AddressStatus>
      <AddressEvent>1</AddressEvent>
    </IPv4Address>
  </IPv4AddressEvent>
</notification>

```

Columns

Column name	Column description	Data type and restrictions	Support for extended queries
Name	Interface name	String. Length: 1 to 47 characters.	No
Ipv4Address	IPv4 address	String, dotted decimal notation.	No
Ipv4Mask	IPv4 address mask	String, dotted decimal notation.	No
AddressOrigin	The way how the IPv4 address is obtained	Enumeration: <ul style="list-style-type: none"> 1—Manual 2—Manual-sub 3—DHCP 4—BOOTP 5—Negotiate 6—Unnumbered 7—VRRP 8—Cellular 9—MAD 	No

Column name	Column description	Data type and restrictions	Support for extended queries
AddressStatus	IPv4 address status	<ul style="list-style-type: none"> • 1—Active • 2---InActive 	No
AddressEvent	IPv4 address event	<ul style="list-style-type: none"> • 1—Add • 2—Delete • 3—Update 	No

Contents

- IPv6Address event 1
 - XML structure for event subscription 1
 - XML structure for event report 2

IPv6Address event

This event is used to report IPv6 address information when the IPv6 address of an interface is changed.

XML structure for event subscription

```
<IPv6AddressEvent>
  <IPv6Address>
    <Name></Name>
  </IPv6Address>
</IPv6AddressEvent>
```

Example:

```
<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"
xmlns:xs="http://www.h3c.com/netconf/base:1.0">
  <create-subscription xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
    <stream>IPv6Address</stream>
    <filter type="subtree">
      <IPv6AddressEvent xmlns="http://www.h3c.com/netconf/event:1.0/IPv6Address:1.0">
        <IPv6Address>
          <Name>GigabitEthernet2/0/1</Name>
        </IPv6Address>
      </IPv6AddressEvent>
    </filter>
  </create-subscription>
</rpc>
```

Table description

Item	Description
Event stream name	IPv6Address
Event name	IPv6AddressEvent
Event namespace	http://www.h3c.com/netconf/event:1.0/IPv6Address:1.0
Support for extended query	No

Columns

Column name	Column description	Data type and restrictions	Support for extended queries
Name	Interface name	String. Length: 1 to 47 characters.	No

XML structure for event report

```
<IPv6AddressEvent>
  <IPv6Address>
    <Name></Name>
    <Ipv6Address></Ipv6Address>
    <Ipv6PrefixLength></Ipv6PrefixLength>
    <AddressOrigin></AddressOrigin>
    <AddressStatus></AddressStatus>
    <AddressEvent></AddressEvent>
  </IPv6Address>
</IPv6AddressEvent>
```

Example:

```
<notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
  <eventTime>2016-07-21T09:10:51</eventTime>
  <IPv6AddressEvent xmlns="http://www.h3c.com/netconf/event:1.0/IPv6Address:1.0">
    <IPv6Address>
      <Name>GigabitEthernet2/0/1</Name>
      <Ipv6Address>1::1</Ipv6Address>
      <Ipv6PrefixLength>64</Ipv6PrefixLength>
      <AddressOrigin>1</AddressOrigin>
      <AddressStatus>1</AddressStatus>
      <AddressEvent>1</AddressEvent>
    </IPv6Address>
  </IPv6AddressEvent>
</notification>
```

Columns

Column name	Column description	Data type and restrictions	Support for extended queries
Name	Interface name	String. Length: 1 to 47 characters.	No
Ipv6Address	IPv6 address	Hexadecimal string, colon-separated.	No
Ipv6PrefixLength	Length of the IPv6 prefix	Unsigned integer. Value range: 1 to 128.	No
AddressOrigin	The way how the IPv6 address is obtained	Enumeration: <ul style="list-style-type: none">• 1—AssignedIP• 2—AssignedEUI64IP• 3—LinklocalIP• 4—AssignedAutoIP• 5—DHCPv6	No

Column name	Column description	Data type and restrictions	Support for extended queries
AddressStatus	IPv6 address status	Enumeration: <ul style="list-style-type: none"> • 1—Preferred • 2—Deprecated • 3—Invalid • 4—Tentative • 5—Duplicate 	No
AddressEvent	IPv6 address event	Enumeration: <ul style="list-style-type: none"> • 1—Add • 2—Delete • 3—Update 	No

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Table description.....	5
Columns.....	5

ISIS

ISIS/Instances

This table contains IS-IS instance information.

XML structure

```
<ISIS>
  <Instances>
    <Instance>
      <Name></Name>
      <VRF></VRF>
    </Instance>
  </Instances>
</ISIS>
```

Table description

Item	Description
Feature name	ISIS
Table name	Instances
Table type	Multi-instance table
Row name	Instance
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name.	Index	String. Length: 1 to 31 characters.	It must be an unsigned integer in the range of 1 to 65535.
VRF	VRF name.	N/A	String. Length: 0 to 31 characters.	After an instance is created, its VRF cannot be modified. An empty string indicates the public network

ISIS/VRFs

This table contains IS-IS VRF information.

XML structure

```
<ISIS>
  <VRFs>
    <VRF>
      <Name></Name>
      <CostStyle>
        <Style></Style>
        <RelaxSpfLimit></RelaxSpfLimit>
      </CostStyle>
      <NetworkEntity></NetworkEntity>
      <LevelId></LevelId>
      <DistributeBgpLs>
        <InstanceId></InstanceId>
        <LevelType></LevelType>
      </DistributeBgpLs>
      <NSR></NSR>
    </VRF>
  </VRFs>
</ISIS>
```

Table description

Item	Description
Feature name	ISIS
Table name	VRFs
Table type	Multi-instance table
Row name	VRF
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name.	Index	String. Length: 1 to 31 characters.	It must be an unsigned integer in the range of 1 to 65535.
CostStyle	Cost style.	Data	Members include:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
		structure	<ul style="list-style-type: none"> Style. RelaxSpfLimit. 	
Style	Style ID.	N/A	Enumeration: <ul style="list-style-type: none"> 1—narrow (default). 2—wide. 3—compatible. 4—narrow-compatible. 5—wide-compatible. 	N/A
RelaxSpfLimit	Whether to accept routes with cost greater than 1023.	N/A	Boolean: <ul style="list-style-type: none"> true—Accept routes with cost greater than 1023. false—Does not accept routes with cost greater than 1023 (default). 	N/A
NetworkEntity	Configure the network entity title (NET) for an IS-IS process.	N/A	String. Length: 1 to 82 characters A NET comprises the following parts: <ul style="list-style-type: none"> Area ID—With a length of 1 to 13 bytes. System ID—A system ID uniquely identifies a host or router in the area and has a fixed 6-byte length. SEL—It has a value of 0 and a fixed 1-byte length. 	Specifies a NET as a dotted hexadecimal string in the X...X.XXXX...XXX.00 format. The X...X segment represents the area address, the XXXX...XXX segment represents the system ID, and the 00 segment is the SEL. Repeat supported for 3 times.
LevelId	Router working level.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Level 1. 2—Level 2. 3—Level 1 and Level 2 (default). 	N/A
DistributeBgpLs	Allow the device to send the link state information to bgp	Data structure	Members include: <ul style="list-style-type: none"> InstanceId. LevelType. 	N/A
InstanceId	Instance Id	N/A	Unsigned integer. Value range 0 to 65535	N/A
LevelType	Level type	N/A	Enumeration: <ul style="list-style-type: none"> 1—Level 1. 2—Level 2. 	N/A.
NSR	Open the ISIS protocol NSR function	N/A	Boolean: <ul style="list-style-type: none"> true—Open the ISIS protocol NSR function. false—Close the ISIS protocol NSR function (default). 	N/A .

ISIS/Familys

This table contains address family identifier information of IS-IS.

XML structure

```
<ISIS>
  <Familys>
    <Family>
      <Name></Name>
      <Type></Type>
    </Family>
  </Familys>
</ISIS>
```

Table description

Item	Description
Feature name	ISIS
Table name	Familys
Table type	Multi-instance table
Row name	Family
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name	Index	String. Length: 0 to 31 characters.	You must create an instance before merge or create type .It must be an unsigned integer in the range of 1 to 65535.
Type	Address Family Identifier	Index	Enumeration: <ul style="list-style-type: none">1—IPv4 unicast.2—IPv6 unicast.	N/A

ISIS/Interfaces

This table contains IS-IS interface information.

XML structure

```
<ISIS>
  <Interfaces>
    <Interface>
      <IfIndex></IfIndex>
      <EnableNameV4></EnableNameV4>
      <EnableNameV6></EnableNameV6>
      <CostV4>
        <Level1Value></Level1Value>
        <Level2Value></Level2Value>
      </CostV4>
      <CostV6>
        <Level1Value></Level1Value>
        <Level2Value></Level2Value>
      </CostV6>
      <LevelType></LevelType>
    </Interface>
  </Interfaces>
</ISIS>
```

Table description

Item	Description
Feature name	ISIS
Table name	Interfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 3 interfaces.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	For information about IfIndex, see IfMgr in <i>Ifmgr NETCONF XML API Configuration Reference</i> .
EnableName V4	Instance name	N/A	String. Length: 1 to 31 characters.	It must be an unsigned integer in the range of 1 to 65535.

Column name	Column description	Column type	Data type and restrictions	Remarks
EnableNameV6	Instance name	N/A	String. Length: 1 to 31 characters..	It must be an unsigned integer in the range of 1 to 65535.
CostV4	IPv4 interface cost.	Data structure	Members include:.. <ul style="list-style-type: none"> Level1Value. Level2Value 	N/A
CostV6	IPv6 interface cost	Data structure	Members include:.. <ul style="list-style-type: none"> Level1Value. Level2Value 	N/A
Level1Value	Level-1 cost value.	N/A	Unsigned integer. Value range: 1 to 16777215.	N/A
Level2Value	Level-2 cost value.	N/A	Unsigned integer. Value range: 1 to 16777215	N/A
LevelType	Level type	N/A	Enumeration: <ul style="list-style-type: none"> 1—Level 1. 2—Level 2. 3—Level 1 and Level 2(default) 	N/A

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XML structure	4
Table description.....	4
Columns.....	4
ISIS/Interfaces.....	4
XML structure	5
Table description.....	5
Columns.....	5

ISIS

ISIS/Instances

This table contains IS-IS instance information.

XML structure

```
<ISIS>
  <Instances>
    <Instance>
      <Name></Name>
      <VRF></VRF>
    </Instance>
  </Instances>
</ISIS>
```

Table description

Item	Description
Feature name	ISIS
Table name	Instances
Table type	Multi-instance table
Row name	Instance
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name.	Index	String. Length: 1 to 31 characters.	It must be an unsigned integer in the range of 1 to 65535.
VRF	VRF name.	N/A	String. Length: 0 to 31 characters.	After an instance is created, its VRF cannot be modified. An empty string indicates the public network

ISIS/VRFs

This table contains IS-IS VRF information.

XML structure

```
<ISIS>
  <VRFs>
    <VRF>
      <Name></Name>
      <CostStyle>
        <Style></Style>
        <RelaxSpfLimit></RelaxSpfLimit>
      </CostStyle>
      <NetworkEntity></NetworkEntity>
      <LevelId></LevelId>
      <DistributeBgpLs>
        <InstanceId></InstanceId>
        <LevelType></LevelType>
      </DistributeBgpLs>
      <NSR></NSR>
    </VRF>
  </VRFs>
</ISIS>
```

Table description

Item	Description
Feature name	ISIS
Table name	VRFs
Table type	Multi-instance table
Row name	VRF
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name.	Index	String. Length: 1 to 31 characters.	It must be an unsigned integer in the range of 1 to 65535.
CostStyle	Cost style.	Data structure	Members include: <ul style="list-style-type: none">Style.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> RelaxSpfLimit. 	
Style	Style ID.	N/A	Enumeration: <ul style="list-style-type: none"> 1—narrow. 2—wide. 3—compatible. 4—narrow-compatible. 5—wide-compatible. 	N/A
RelaxSpfLimit	Whether to accept routes with cost greater than 1023.	N/A	Boolean: <ul style="list-style-type: none"> true—Accept routes with cost greater than 1023. false—Does not accept routes with cost greater than 1023 . 	N/A
NetworkEntity	Configure the network entity title (NET) for an IS-IS process.	N/A	String. Length: 1 to 82 characters A NET comprises the following parts: <ul style="list-style-type: none"> Area ID—With a length of 1 to 13 bytes. System ID—A system ID uniquely identifies a host or router in the area and has a fixed 6-byte length. SEL—It has a value of 0 and a fixed 1-byte length. 	Specifies a NET as a dotted hexadecimal string in the X...X.XXXX....XXX.00 format. The X...X segment represents the area address, the XXXX....XXXX segment represents the system ID, and the 00 segment is the SEL. Repeat supported for 3 times.
LevelId	Router working level.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Level 1. 2—Level 2. 3—Level 1 and Level 2 	N/A
DistributeBgpLs	Allow the device to send the link state information to bgp	Data structure	Members include: <ul style="list-style-type: none"> Instanceld. LevelType. 	N/A
Instanceld	Instance Id	N/A	Unsigned integer. Value range 0 to 65535.	N/A
LevelType	Level type	N/A	Enumeration: <ul style="list-style-type: none"> 1—Level 1. 2—Level 2. 	N/A
NSR	Open the ISIS protocol NSR function	N/A	Boolean: <ul style="list-style-type: none"> true—Open the ISIS protocol NSR function. false—Close the ISIS protocol NSR function. 	N/A

ISIS/Familys

This table contains address family identifier information of IS-IS.

XML structure

```
<ISIS>
  <Familys>
    <Family>
      <Name></Name>
      <Type></Type>
    </Family>
  </Familys>
</ISIS>
```

Table description

Item	Description
Feature name	ISIS
Table name	Familys
Table type	Multi-instance table
Row name	Family
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name	Index	String. Length: 0 to 31 characters.	You must create an instance before merge or create type .It must be an unsigned integer in the range of 1 to 65535.
Type	Address Family Identifier	Index	Enumeration: <ul style="list-style-type: none">• 1—IPv4 unicast.• 2—IPv6 unicast.	N/A

ISIS/Interfaces

This table contains IS-IS interface information.

XML structure

```
<ISIS>
  <Interfaces>
    <Interface>
      <IfIndex></IfIndex>
      <EnableNameV4></EnableNameV4>
      <EnableNameV6></EnableNameV6>
      <CostV4>
        <Level1Value></Level1Value>
        <Level2Value></Level2Value>
      </CostV4>
      <CostV6>
        <Level1Value></Level1Value>
        <Level2Value></Level2Value>
      </CostV6>
      <LevelType></LevelType>
    </Interface>
  </Interfaces>
</ISIS>
```

Table description

Item	Description
Feature name	ISIS
Table name	Interfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 3 interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
EnableName	Instance name	N/A	String.	It must be an

Column name	Column description	Column type	Data type and restrictions	Remarks
V4			Length: 1 to 31 characters.	unsigned integer in the range of 1 to 65535.
EnableName V6	Instance name	N/A	String. Length: 1 to 31 characters..	It must be an unsigned integer in the range of 1 to 65535.
CostV4	IPv4 interface cost.	Data structure	Members include:. <ul style="list-style-type: none"> • Level1Value. • Level2Value 	N/A
CostV6	IPv6 interface cost	Data structure	Members include:. <ul style="list-style-type: none"> • Level1Value. • Level2Value 	N/A
Level1Value	Level-1 cost value.	N/A	Unsigned integer. Value range: 1 to 16777215.	N/A
Level2Value	Level-2 cost value.	N/A	Unsigned integer. Value range: 1 to 16777215	N/A
LevelType	Level type	N/A	Enumeration: <ul style="list-style-type: none"> • 1—Level 1. • 2—Level 2. • 3—Level 1 and Level 2 	N/A

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XML structure.....	3
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Columns.....	4

L2TPV2

L2TPV2/L2tpAutoClient

This table contains the information about auto client.

XML structure

```
<L2TPV2>
  <L2tpAutoClient>
    <AutoClient>
      <IfIndex></IfIndex>
      <GroupID></GroupID>
    </AutoClient>
  </L2tpAutoClient>
</L2TPV2>
```

Table description

Item	Description
Feature name	L2TPV2
Table name	L2tpAutoClient
Table type	Multi-instance table
Row name	AutoClient
Restrictions	This table supports interface types: virtual-ppp interface
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
GroupID	The LAC uses tunnel parameters of the L2TP group to establish the tunnel.	N/A	Unsigned integer. Value range: 1 to 65535	The L2TP group specified must be an existing one in LAC mode.

L2TPV2/L2tpVaPool

This table contains the information about using L2TPV2 va-pool.

XML structure

```
<L2TPV2>
  <L2tpVaPool>
    <VaPool>
      <L2tpVTNum></L2tpVTNum>
      <L2tpVNum></L2tpVNum>
    </VaPool>
  </L2tpVaPool>
</L2TPV2>
```

Table description

Item	Description
Feature name	L2TPV2
Table name	L2tpVaPool
Table type	Multi-instance table
Row name	VaPool
Restrictions	VT interface must be exist
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
L2tpVTNum	Template-number	Index	Unsigned integer.	Specifies an existing VT interface by its number to use the VA pool. The value range for this argument varies by device model.
L2tpVNum	<i>Va-volume</i>	N/A	Unsigned integer. Value range: 1 to 65534	Specifies the maximum number of VA interfaces contained in the VA pool.

L2TPV2/L2tpGlobal

This table contains the information about global configuration of l2tp.

XML structure

```
<L2TPV2>
  <L2tpGlobal>
    <L2tpEnable></L2tpEnable>
    <IcrqLimit></IcrqLimit>
    <ScqrqLimit></ScqrqLimit>
  </L2tpGlobal>
</L2TPV2>
```

Table description

Item	Description
Feature name	L2TPV2
Table name	L2tpGlobal
Table type	Single instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
L2tpEnable	Whether the function of L2TP is enabled.	N/A	Boolean: <ul style="list-style-type: none">truefalse(default)	N/A
IcrqLimit	Maximum number of ICRQ packets processed per second	N/A	Unsigned integer. Value range: 1 to 60000. Default: 0	N/A
ScqrqLimit	Maximum number of SCCRQ packets processed per second	N/A	Unsigned integer. Value range: 1 to 10000. Default: 0	N/A

L2TPV2/L2tpv2Group

This table contains L2TP group configuration information.

XML structure

```
<L2TPV2>
  <L2tpv2Group>
```

```

<Group>
  <GroupNum></GroupNum>
  <Mode></Mode>
  <AllowVTNum></AllowVTNum>
  <AllowRtmName></AllowRtmName>
  <LnsIP></LnsIP>
  <UserType></UserType>
  <UserName></UserName>
  <TunnelName></TunnelName>
  <Password></Password>
  <AuthEnable></AuthEnable>
  <MChapEnable></MChapEnable>
  <MLcpEnable></MLcpEnable>
  <AvpHiddenEnable></AvpHiddenEnable>
  <FlowControlEnable></FlowControlEnable>
  <HelloTime></HelloTime>
</Group>
</L2tpv2Group>
</L2TPV2>

```

Table description

Item	Description
Feature name	L2TPV2
Table name	L2tpv2Group
Table type	Multi-instance table
Row name	Group
Restrictions	N/A
Support for row creation and deletion	YES

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupNum	Group number.	Index	Unsigned integer. Value range: 1 to 65535.	N/A
Mode	Group mode.	N/A	Enumeration: <ul style="list-style-type: none"> 0—lac. 1—Ins 	N/A
AllowVTNum	Specifies a VT interface by its number.	N/A	Unsigned integer.	It can only be configured when Mode is Ins. The value range depended on device.

Column name	Column description	Column type	Data type and restrictions	Remarks
AllowRtmName	Specifies the name of the tunnel peer (LAC) initiating tunneling requests	N/A	String, case-sensitive. Length: 1 to 31 characters.	It can only be configured when Mode is Ins.
LnsIP	Specifies LNS IP addresses.	N/A	String, case-sensitive. Length: 1 to 79 characters.	It can only be configured when Mode is lac. Separated by space if there are multiple addresses. Specifies a space-separated list of up to five addresses Example: 1.1.1.1 2.2.2.2 3.3.3.3.
UserType	To configure the condition for the LAC to initiate tunneling requests	N/A	Enumeration: <ul style="list-style-type: none"> • 0—domain name • 1—full user name 	It can only be configured when Mode is lac.
UserName	user name.	N/A	String, case-sensitive. Length: 1 to 255 characters.	It can only be configured when Mode is lac.
TunnelName	Local tunnel name.	N/A	String, case-sensitive. Length: 1 to 31 characters.	N/A
PassWord	password.	N/A	String, case-sensitive. Length: 1 to 16 characters.	N/A
AuthEnable	L2TP tunnel authentication.	N/A	Boolean: <ul style="list-style-type: none"> • true(default) • false 	N/A
MChapEnable	To force the LNS to perform CHAP authentication for users.	N/A	Boolean: <ul style="list-style-type: none"> • true • false(default) 	It can only be configured when Mode is Ins.
MLcpEnable	To force an LNS to perform LCP negotiation with users.	N/A	Boolean: <ul style="list-style-type: none"> • true • false(default) 	It can only be configured when Mode is Ins.
AvpHiddenEnable	To enable transferring AVP data in hidden mode.	N/A	Boolean: <ul style="list-style-type: none"> • true • false(default) 	N/A
FlowControlEnable	To enable L2TP session flow control.	N/A	Boolean: <ul style="list-style-type: none"> • true • false(default) 	N/A
HelloTime	Hello interval.	N/A	Unsigned integer. Value range: 60 to 1000. Default: 60	N/A

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L2TPV2

L2TPV2/L2tpAutoClient

This table contains the information about auto client.

XML structure

```
<L2TPV2>
  <L2tpAutoClient>
    <AutoClient>
      <IfIndex></IfIndex>
      <GroupID></GroupID>
    </AutoClient>
  </L2tpAutoClient>
</L2TPV2>
```

Table description

Item	Description
Feature name	L2TPV2
Table name	L2tpAutoClient
Table type	Multi-instance table
Row name	AutoClient
Restrictions	This table supports interface types: virtual-ppp interface

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in Ifmgr NETCONF XML API Configuration Reference.
GroupID	The LAC uses tunnel parameters of the L2TP group to establish the tunnel.	N/A	Unsigned integer. Value range: 1 to 65535.	N/A

L2TPV2/L2tpVaPool

This table contains the information about L2TPV2 va-pool.

XML structure

```
<L2TPV2>
  <L2tpVaPool>
    <VaPool>
      <L2tpVTNum></L2tpVTNum>
      <L2tpVANum></L2tpVANum>
    </VaPool>
  </L2tpVaPool>
</L2TPV2>
```

Table description

Item	Description
Feature name	L2TPV2
Table name	PPPUsePap
Table type	Multi-instance table
Row name	VaPool
Restrictions	VT interface must be exist

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
L2tpVTNum	Template-number	Index	Unsigned integer.	Specifies an existing VT interface by its number to use the VA pool. The value range for this argument varies by device model.
L2tpVANum	<i>Va-volume</i>	N/A	Unsigned integer. Value range: 1 to 65534	N/A

L2TPV2/L2tpGlobal

This table contains the information about global configuration of l2tp.

XML structure

```
<L2TPV2>
  <L2tpGlobal>
```



```

    <L2tpEnable></L2tpEnable>
    <IcrqLimit></IcrqLimit>
    <SccrqLimit></SccrqLimit>
  </L2tpGlobal>
</L2TPV2>

```

Table description

Item	Description
Feature name	L2TPV2
Table name	L2tpGlobal
Table type	Single instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
L2tpEnable	Whether the function of L2TP is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
IcrqLimit	Maximum number of ICRQ packets processed per second	N/A	Unsigned integer. Value range: 1 to 60000.	N/A
SccrqLimit	Maximum number of SCCRQ packets processed per second	N/A	Unsigned integer. Value range: 1 to 10000.	N/A

L2TPV2/L2TPV2TunnelInfo

This table contains the information about using display l2tp tunnel to display information about L2TP tunnels.

XML structure

```

<L2TPV2>
  <L2TPV2TunnelInfo>
    <TunnelInfo>
      <LocalTIDIndex></LocalTIDIndex>
      <RemoteTID></RemoteTID>
      <State></State>
      <Sessions></Sessions>
    </TunnelInfo>
  </L2TPV2TunnelInfo>
</L2TPV2>

```

```

    <RemoteAddr></RemoteAddr>
    <RemotePort></RemotePort>
    <RemoteName></RemoteName>
    <ModeType></ModeType>
  </TunnelInfo>
</L2TPV2TunnelInfo>
</L2TPV2>

```

Table description

Item	Description
Feature name	L2TPV2
Table name	L2TPV2TunnelInfo
Table type	Multi-instance table
Row name	TunnelInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LocalTIDIndex	Local tunnel ID.	Index	Unsigned integer. Value range: 1 to 65535.	N/A
RemoteTID	Remote tunnel ID.	N/A	Unsigned integer. <ul style="list-style-type: none"> Value range: 1 to 65535. 	N/A
State	Tunnel state.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Idle (default) 1—Wait-reply 2—Wait-connect 3—Established 4—Stopping 	Session state: Idle. Wait-tunnel—Waits for the tunnel to be established. Wait-reply—Waits for an ICRP message indicating the call is accepted. Wait-connect—Waits for an ICCN message. Established—Establishes tunnel successfully. Stopping—Is being offline.
Sessions	Number of sessions within the tunnel.	N/A	Unsigned integer. Value range: 1 to 65535.	N/A
RemoteAddr	IP address of the peer.	N/A	String, dotted decimal notation.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
RemotePort	UDP port number of the peer.	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
RemoteName	Name of the tunnel peer.	N/A	String, case insensitive. Length: 1 to 31 characters.	N/A
ModeType	TunnelModeType.	N/A	Enumeration: <ul style="list-style-type: none"> 0—LAC 1—LNS 	N/A

L2TPV2/L2tpv2Group

This table contains L2TP group configuration information.

XML structure

```

<L2TPV2>
  <L2tpv2Group>
    <Group>
      <GroupNum></GroupNum>
      <Mode></Mode>
      <AllowVTNum></AllowVTNum>
      <AllowRtmName></AllowRtmName>
      <LnsIP></LnsIP>
      <UserType></UserType>
      <UserName></UserName>
      <TunnelName></TunnelName>
      <Password></Password>
      <AuthEnable></AuthEnable>
      <MChapEnable></MChapEnable>
      <MLcpEnable></MLcpEnable>
      <AvpHiddenEnable></AvpHiddenEnable>
      <FlowControlEnable></FlowControlEnable>
      <HelloTime></HelloTime>
    </Group>
  </L2tpv2Group>
</L2TPV2>

```

Table description

Item	Description
Feature name	L2TPV2
Table name	L2tpv2Group
Table type	Multi-instance table
Row name	Group

Restrictions	N/A
--------------	-----

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupNum	Group number.	Index	Unsigned integer. <ul style="list-style-type: none"> Value range: 1 to 65535. 	N/A
Mode	Group mode.	N/A	Enumeration: <ul style="list-style-type: none"> 0—lac 1—Ins 	N/A
AllowVTNum	Specifies a VT interface by its number.	N/A	Unsigned integer.	It can only be visible when Mode is Ins. The value range depended on device.
AllowRtmName	Specifies the name of the tunnel peer (LAC) initiating tunneling requests	N/A	String, case-sensitive. Length: 1 to 31 characters.	It can only be visible when Mode is Ins.
LnsIP	Specifies LNS IP addresses.	N/A	String, case-sensitive. Length: 1 to 79 characters.	It can only be visible when Mode is lac. Separated by space if there are multiple addresses. Specifies a space-separated list of up to five addresses Example: 1.1.1.1 2.2.2.2 3.3.3.3.
UserType	To configure the condition for the LAC to initiate tunneling requests	N/A	Enumeration: <ul style="list-style-type: none"> 0—domain name 1—full user name 	It can only be visible when Mode is lac.
UserName	user name.	N/A	String, case-sensitive. Length: 1 to 255 characters.	It can only be visible when Mode is lac.
TunnelName	Local tunnel name.	N/A	String, case-sensitive. Length: 1 to 31 characters.	N/A
PassWord	password.	N/A	String, case-sensitive. Length: 1 to 16 characters.	N/A
AuthEnable	L2TP tunnel authentication.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
MChapEnable	To force the LNS to perform CHAP authentication for users.	N/A	Boolean: <ul style="list-style-type: none"> true false 	It can only be visible when Mode is Ins.

Column name	Column description	Column type	Data type and restrictions	Remarks
MLcpEnable	To force an LNS to perform LCP negotiation with users.	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	It can only be visible when Mode is Ins.
AvpHiddenEnable	To enable transferring AVP data in hidden mode.	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	N/A
FlowControl Enable	To enable L2TP session flow control.	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	N/A
HelloTime	Hello interval.	N/A	Unsigned integer. Value range: 60 to 1000.	N/A

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Columns	19

L2VPN

L2VPN/Base

This table contains global L2VPN information.

XML structure

```
<L2VPN>
  <Base>
    <Enable></Enable>
    <StatisticsInterval></StatisticsInterval>
  </Base>
</L2VPN>
```

Table description

Item	Description
Feature name	L2VPN
Table name	Base
Table type	Single-instance table
Row name	N/A
Restrictions	This table supports only global configurations.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Enable	Whether L2VPN feature is enabled globally	N/A	Boolean: <ul style="list-style-type: none">true—Enabled.false—Disabled(default).	N/A
StatisticsInterval	Interval for collecting packets statistics	N/A	Unsigned integer Value range: 30 to 65535. Unit: seconds.	N/A

L2VPN/VSI

This table contains information about VSIs.

XML structure

```
<L2VPN>
  <VSIs>
    <VSI>
      <VsiName></VsiName>
      <HubSpoke></HubSpoke>
      <ArpSuppression></ArpSuppression>
      <MacLearning></MacLearning>
      <MacLimit></MacLimit>
      <Flooding></Flooding>
      <FloodType></FloodType>
      <VsiInterfaceID></VsiInterfaceID>
      <Statistics></Statistics>
      <StatisticsOverlayTunnel></StatisticsOverlayTunnel>
      <Description></Description>
      <Bandwidth></Bandwidth>
      <BroadcastRestrain></BroadcastRestrain>
      <MulticastRestrain></MulticastRestrain>
      <UnknownUnicastRestrain></UnknownUnicastRestrain>
      <AdminStatus></AdminStatus>
      <Dscp></Dscp>
      <ServiceClass></ServiceClass>
    </VSI>
  </VSIs>
</L2VPN>
```

Table description

Item	Description
Feature name	L2VPN
Table name	VSIs
Table type	Multi-instance table
Row name	VSI
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VsiName	VSI name	Index	String. Length: 1 to 31 characters.	N/A
HubSpoke	Support for hub spoke	N/A	Boolean:	Support for this column depends

	capability.		<ul style="list-style-type: none"> • true—Supported. • false—Not supported(default). 	on the device model. No modification.
ArpSuppression	ARP flooding suppression	N/A	Boolean: <ul style="list-style-type: none"> • true—Enabled. • false—Disabled(default). 	Need confirm by products .
MacLearning	MAC address learning	N/A	Boolean: <ul style="list-style-type: none"> • true—Enabled(default). • false—Disabled. 	Support for this column depends on the device model.
MacLimit	MAC table limit	N/A	Unsigned integer. Value range: The value range varies by device model.	Support for this column depends on the device model.
Flooding	Flooding for all destination-unknown frames	N/A	Boolean: <ul style="list-style-type: none"> • true—Enabled(default). • false—Disabled. 	N/A
FloodType	Flood type	N/A	Enumeration: <ul style="list-style-type: none"> • 1—Broadcast • 2—Unknown unicast • 4— Multicast • 3/5/6/7—the combination of the tree type above • Default: 7 	The value is always 7 when the Flooding is enable. The value must be set when the flooding set to disable.
VsiInterfaceID	VSI interface ID	N/A	Unsigned integer	The range of VsiInterfaceID is reference in table of Base which in Data API.
Statistics	VSI statistics	N/A	Boolean: <ul style="list-style-type: none"> • true—Enabled. • false—Disabled(default). 	N/A
StatisticsOverlayTunnel	Overlay Tunnel statistics	N/A	Boolean: <ul style="list-style-type: none"> • true—Enabled. • false—Disabled(default). 	N/A
Description	description for the VSI	N/A	String. Length: 1 to 80 characters.	N/A
Bandwidth	VSI bandwidth	N/A	Unsigned integer Value range: 64 to 4194303 kbps.	Support for this column depends on the device model.
BroadcastRestrain	Broadcast suppression bandwidth threshold	N/A	Unsigned integer Value range: 0, 64 to 4194303 kbps. The default value varies by device model.	Support for this column depends on the device model. The default value of BroadcastRestrain is the value of VSIBroadcastRestrainDefault in the Base table of

				Data API.
MulticastRestrain	Multicast suppression bandwidth threshold	N/A	Unsigned integer Value range: 0, 64 to 4194303 kbps. The default value varies by device model.	Support for this column depends on the device model. The default value of MulticastRestrain is the value of VSIMulticastRestrainDefault in the Base table of Data API.
UnknownUnicastRestrain	Unknown-unicast suppression bandwidth threshold	N/A	Unsigned integer Value range: 0, 64 to 4194303 kbps. The default value varies by device model.	Support for this column depends on the device model. The default value of UnknownUnicastRestrain is the value of VSIUnUnicastRestrainDefault in the Base table of Data API.
AdminStatus	Administratively status	N/A	Enumeration: <ul style="list-style-type: none"> 1—Administratively up(default). 2—Administratively down. 	N/A
Dscp	DSCP value	N/A	Unsigned integer Value range: 0 to 63.	Support for this column depends on the device model.
ServiceClass	Service class value	N/A	Unsigned integer Value range: The value range varies by device model.	Support for this column depends on the device model. The maximum value for this column is defined in the Base table of Data API.

L2VPN/PWClasses

This table contains PW class information.

XML structure

```

<L2VPN>
  <PWClasses>
    <PWClass>
      <PWClassName></PWClassName>

```

```

    <ControlWord></ControlWord>
    <PWType></PWType>
    <SequencingBoth></SequencingBoth>
  </PWClass>
</PWClasses>
</L2VPN>

```

Table description

Item	Description
Feature name	L2VPN
Table name	PWClasses
Table type	Multi-instance table
Row name	PWClass
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PWClassName	PW class name	Index	String. Length: 1 to 19 characters.	N/A
ControlWord	control word for ACs	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled(default). 	N/A
PWType	PW type for PWs	N/A	Enumeration: <ul style="list-style-type: none"> 1—VLAN(default). 2—Ethernet. 	N/A
SequencingBoth	Sequencing for both incoming and outgoing packets	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled(default). 	Support for this column depends on the device model.

L2VPN/SRVs

This table contains information about service instances of layer 2 ethernet interfaces.

XML structure

```

<L2VPN>
  <SRVs>
    <SRV>
      <IfIndex></IfIndex>
      <SrvID></SrvID>
    </SRV>
  </SRVs>
</L2VPN>

```

```

    <Encap></Encap>
    <SVlanRange></SVlanRange>
    <CVlanRange></CVlanRange>
  </SRV>
</SRVs>
</L2VPN>

```

Table description

Item	Description
Feature name	L2VPN
Table name	SRVs
Table type	Multi-instance table
Row name	SRV
Restrictions	<p>This table supports only layer 2 Ethernet interfaces. You must follow these restrictions:</p> <ul style="list-style-type: none"> Specify SVlanRange and not CVlanRange when the value of Encap is SvlanId or SvlanIdOnlyTagged or SvlanList or SvlanListOnlyTagged; Specify both SVlanRange and CVlanRange when the value of Encap is SvlanIdCvlanId or SvlanIdCvlanList or SvlanIdCvlanAll; the value of CVlanRange must be 1-4094 when the value of Encap is SvlanIdCvlanAll. Specify CVlanRange and not SVlanRange when the value of Encap is CvlanId or CvlanList; Don't specify SVlanRange and CVlanRange when the value of Encap is Default or Untagged or Tagged.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
SrvID	Service instance ID	Index	Unsigned integer. Value range: 1 to 4096.	N/A

Encap	Encapsulation type	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> • 1—Default. • 2—Untagged. • 3—Tagged • 4—SvlanId • 5—SvlanIdOnlyTagged • 6—SvlanIdCvlanId • 7—CvlanId • 8—CvlanList • 9—SvlanIdCvlanList • 10—SvlanIdCvlanAll • 11—SvlanList • 12—SvlanListOnlyTagged • 13—SvlanListCvlanList 	<p>Can not be modified after creation.</p> <p>You must and only need specify this column when you remove or delete the encapsulation, and the SVlanRange column or CVlanRange column is ignored.</p>
SVlanRange	A outer VLAN ID or a list of outer VLAN IDs	N/A	<p>Number string.</p> <p>It is a comma-separated list of VLAN items. An item can be an individual VLAN ID or a VLAN ID range. Use a hyphen (-) to separate the start and end VLANs of a range, and the end VLAN ID must be larger than the start VLAN ID.</p> <p>The string must not end with a comma or hyphen, or include any whitespace characters.</p>	<p>Example: 1,2,3,5-8,10-20.</p> <p>The value must be different in different VLAN ID ranges.</p> <p>If this column is required, you must also specify the Encap column.</p>
CVlanRange	A inner VLAN ID or a list of inner VLAN IDs	N/A	<p>Number string.</p> <p>It is a comma-separated list of VLAN items. An item can be an individual VLAN ID or a VLAN ID range. Use a hyphen (-) to separate the start and end VLANs of a range, and the end VLAN ID must be larger than the start VLAN ID.</p> <p>The string must not end with a comma or hyphen, or include any whitespace characters.</p>	<p>Example: 1,2,3,5-8,10-20.</p> <p>The value must be different in different VLAN ID ranges.</p> <p>If this column is required, you must also specify the Encap column.</p>

L2VPN/ACs

This table contains information about ACs.

XML structure

```

<L2VPN>
  <ACs>
    <AC>
      <IfIndex></IfIndex>
      <SrvID></SrvID>
      <VsiName></VsiName>
      <AccessMode></AccessMode>

```

```

    <Hub></Hub>
    <Statistics></Statistics>
    <Bandwidth></Bandwidth>
    <LearningMode></LearningMode>
  </AC>
</ACs>
</L2VPN>

```

Table description

Item	Description
Feature name	L2VPN
Table name	ACs
Table type	Multi-instance table
Row name	AC
Restrictions	This table supports only layer 2 Ethernet interfaces.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
SrvID	Service instance ID	Index	Unsigned integer. Value range: 1 to 4096.	You must create a service instance first before you merge, replace or create ACs.
VsiName	VSI name	N/A	String. Length: 1 to 31 characters.	You must create a VSI first before you merge, replace or create ACs. You must specify this column when the operation is create, merge or

				replace. Can not be modified after creation.
AccessMode	The access mode of this AC	N/A	Enumeration: <ul style="list-style-type: none"> 1—Vlan. 2—Ethernet. 	Can not be modified after creation. By default, the value is 1.
Hub	Hub spoke attribute for the Link.	N/A	Boolean: <ul style="list-style-type: none"> true—Hub. false—Spoke(default). 	You must first create the VSI with the hub-spoke capability. Can not be modified after creation.
Statistics	Whether statistics function is enabled	N/A	Boolean: <ul style="list-style-type: none"> true. false (default). 	N/A
Bandwidth	AC bandwidth	N/A	Unsigned integer Value range: 64 to 4194303 kbps.	Support for this column depends on the device model.
LearningMode	MAC learning mode of this AC	N/A	Enumeration: <ul style="list-style-type: none"> 0—MAC mode. 1—SVID only. 2—Double VIDs. 3—Learning disabled 	By Default,the value is 0 (MAC mode). Support for this column depends on the device.

L2VPN/L3Interfaces

This table contains information about ACs for Layer 3 Ethernet interfaces.

XML structure

```

<L2VPN>
  <L3Interfaces>
    <L3Interface>
      <IfIndex></IfIndex>
      <VsiName></VsiName>
      <AccessMode></AccessMode>
      <Hub></Hub>
    </L3Interface>
  </L3Interfaces>
</L2VPN>

```

Table description

Item	Description
Feature name	L2VPN
Table name	L3Interfaces
Table type	Multi-instance table
Row name	L3Interface
Restrictions	This table supports only layer 3 Ethernet interfaces.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
VsiName	VSI name	N/A	String. Length: 1 to 31 characters.	You must create a VSI first before you merge, replace or create ACs. You must specify this column when the operation is create, merge or replace. Can not be modified after creation.
AccessMode	Access mode of the AC	N/A	Enumeration: <ul style="list-style-type: none"> 1—VLAN. 2—Ethernet. 	Cannot be modified after creation. By default, the value is 1.
Hub	Hub spoke attribute for the Link.	N/A	Boolean: <ul style="list-style-type: none"> true—Hub. false—Spoke(default). 	You must first create the VSI with the hub-spoke capability.

				Can not be modified after creation.
--	--	--	--	-------------------------------------

L2VPN/FloodingMACs

This table contains information about MAC address which can be selectively flooded.

XML structure

```
<L2VPN>
  <FloodingMACs>
    <MAC>
      <VsiName></VsiName>
      <MacAddr></MacAddr>
    </MAC>
  </FloodingMACs>
</L2VPN>
```

Table description

Item	Description
Feature name	L2VPN
Table name	FloodingMACs
Table type	Multi-instance table
Row name	MAC
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VsiName	VSI name	Index	String. Length: 1 to 31 characters.	N/A
MacAddr	MAC address	Index	Six groups of two hexadecimal digits, hyphen-separated. The value can't be broadcast address.	Example: 00-0c-af-e3-5d-c0. Some versions only support unicast address or all 0s.

L2VPN/LocalMACs

This table contains information about setting static local MAC addresses for each VSI.

XML structure

```
<L2VPN>
  <LocalMACs>
    <MAC>
      <VsiName></VsiName>
      <MacAddr></MacAddr>
      <IfIndex></IfIndex>
      <SrvID></SrvID>
    </MAC>
  </LocalMACs>
</L2VPN>
```

Table description

Item	Description
Feature name	L2VPN
Table name	LocalMACs
Table type	Multi-instance table
Row name	MAC
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VsiName	VSI name	Index	String. Length: 1 to 31 characters.	You must create a VSI first.
MacAddr	MAC address	Index	Six groups of two hexadecimal digits, hyphen-separated.	Example: 00-0c-af-e3-5d-c0.
IfIndex	Interface index	N/A	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference. IfIndex cannot be modified after creation.
SrvID	Service instance ID	N/A	Unsigned integer. Value range: 1 to 4096.	SrvID cannot be modified after creation.

L2VPN/VSIInterfaces

This table is used to create or delete VSI interfaces

XML structure

```
<L2VPN>
  <VSIInterfaces>
    <Interface>
      <ID></ID>
      <LocalEnable></LocalEnable>
      <L3VNI></L3VNI>
      <ArpSendRate></ArpSendRate>
      <PrefixRouteGenerate></PrefixRouteGenerate>
    </Interface>
  </VSIInterfaces>
</L2VPN>
```

Table description

Item	Description
Feature name	L2VPN
Table name	VSIInterfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	You must enable global L2VPN feature at first.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ID	VSI interface ID	Index	Unsigned integer	The range of VsiInterfaceID is reference in table of Base which in Data API.
LocalEnable	Local distributed gateway	N/A	Boolean: <ul style="list-style-type: none">true—Enabled.false—Disabled (default).	N/A
L3VNI	L3 VNI for the tenant	N/A	Unsigned integer	N/A
ArpSendRate	ARP packet sending rate limit	N/A	Unsigned integer Value range: 0 to 500.	By default, the value is 0 for no limit.

PrefixRouteGenerate	Whether EVPN route advertisement is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled (default). false—Disabled. 	N/A
---------------------	--	-----	---	-----

L2VPN/VSIIPv4Subnets

This table contains information about IPv4 subnet configurations.

XML structure

```

<L2VPN>
  <VSIIPv4Subnets>
    <Ipv4Subnet>
      <VsiName></VsiName>
      <SubnetAddress></SubnetAddress>
      <WildcardMask></WildcardMask>
    </Ipv4Subnet>
  </VSIIPv4Subnets>
</L2VPN>

```

Table description

Item	Description
Feature name	L2VPN
Table name	VSIIPv4Subnets
Table type	Multi-instance table
Row name	Ipv4Subnet
Restrictions	You must specify a gateway interface for the VSI at first.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VsiName	VSI name	Index	String. Length: 1 to 31 characters.	N/A
SubnetAddress	IPv4 address	Index	String, dotted decimal notation.	N/A
WildcardMask	Wildcard mask	Index	String, dotted decimal notation.	N/A

L2VPN/VSIIPv6Subnets

This table contains information about IPv6 subnet configurations.

XML structure

```
<L2VPN>
  <VSIIPv6Subnets>
    <Ipv6Subnet>
      <VsiName></VsiName>
      <SubnetAddress></SubnetAddress>
      <PrefixLength></PrefixLength>
    </Ipv6Subnet>
  </VSIIPv6Subnets>
</L2VPN>
```

Table description

Item	Description
Feature name	L2VPN
Table name	VSIIPv6Subnets
Table type	Multi-instance table
Row name	Ipv6Subnet
Restrictions	You must specify a gateway interface for the VSI at first.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VsiName	VSI name	Index	String. Length: 1 to 31 characters.	N/A
SubnetAddress	IPv6 address	Index	Hexadecimal string, colon-separated.	Example: ABCD:EF01::1
PrefixLength	Prefix length of the IPv6 address	Index	Unsigned integer. <ul style="list-style-type: none">Value range: 1- 128.	N/A

L2VPN/InterfaceConfigs

This table contains information about configurations of interfaces.

XML structure

```
<L2VPN>
  <InterfaceConfigs>
    <InterfaceConfig>
      <IfIndex></IfIndex>
      <SoftwareLearning></SoftwareLearning>
      <Dci></Dci>
      <VxlanOverVxlan></VxlanOverVxlan>
      <MacBasedAc></MacBasedAc>
    </InterfaceConfig>
  </InterfaceConfigs>
</L2VPN>
```

Table description

Item	Description
Feature name	L2VPN
Table name	InterfaceConfigs
Table type	Multi-instance table
Row name	InterfaceConfig
Restrictions	You must first enable the L2VPN feature globally.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
SoftwareLearning	Whether learning MAC addresses through software function is enabled	N/A	Boolean: <ul style="list-style-type: none">truefalse (default)	N/A
Dci	Whether Dci is enabled	N/A	Boolean: <ul style="list-style-type: none">true	Support for this column depends

			<ul style="list-style-type: none"> false (default) 	on the device model.
VxlanOverVxlan	Whether VXLAN over VXLAN is enabled	N/A	Boolean: <ul style="list-style-type: none"> true false (default) 	Support for this column depends on the device model.
MacBasedAc	Whether mac based ac is enable	N/A	Boolean: <ul style="list-style-type: none"> true false (default) 	Support for this column depends on the device model.

L2VPN/SrvRewrites

This table contains information about VLAN tag rewrite capability of service instances.

XML structure

```

<L2VPN>
  <SrvRewrites>
    <SrvRewrite>
      <IfIndex></IfIndex>
      <SrvID></SrvID>
      <Inbound>
        <RewriteType></RewriteType>
        <SVlanID></SVlanID>
        <CVlanID></CVlanID>
        <Symmetric></Symmetric>
      </Inbound>
      <Outbound>
        <RewriteType></RewriteType>
        <SVlanID></SVlanID>
        <CVlanID></CVlanID>
      </Outbound>
    </SrvRewrite>
  </SrvRewrites>
</L2VPN>

```

Table description

Item	Description
Feature name	L2VPN
Table name	SrvRewrites
Table type	Multi-instance table
Row name	SrvRewrite
Restrictions	You must first enable the L2VPN feature globally.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
SrvID	Service instance ID	Index	Unsigned integer. Value range: 1 to 4096.	You must create a service instance before you merge, replace or create SrvRewrites.
Inbound	Inbound direction of packets	N/A	Members include: <ul style="list-style-type: none"> RewriteType SvlanID CvlanID Symmetric 	RewriteType must be specified.
Outbound	Outbound direction of packets	N/A	Members include: <ul style="list-style-type: none"> RewriteType SvlanID CvlanID 	The members of RewriteType must be specified.
RewriteType	Rewrite type	N/A	Unsigned integer. Value: <ul style="list-style-type: none"> 1: NEST 2: REMARK_ONE 3: REMARK_TWO 4: STRIP_SVLAN 5: STRIP_CVLAN 6: STRIP_BOTH 	N/A
SVlanID	Outer VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094.	N/A
CVlanID	Inner VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094.	N/A
Symmetric	Applies the opposite VLAN tag processing rule to outgoing traffic	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	By default, the value is false.

L2VPN/L3Rewrites

This table contains information about rewrite capability of ac interface.

XML structure

```
<L2VPN>
  <L3Rewrites>
    <L3Rewrite>
      <IfIndex></IfIndex>
      <RewriteType></RewriteType>
      <SVlanID></SVlanID>
      <CVlanID></CVlanID>
      <Symmetric></Symmetric>
    </L3Rewrite>
  </L3Rewrites>
</L2VPN>
```

Table description

Item	Description
Feature name	L2VPN
Table name	L3Rewrites
Table type	Multi-instance table
Row name	L3Rewrite
Restrictions	You must enable L2VPN feature globally at first.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in Ifmgr NETCONF XML API Configuration Reference.
RewriteType	RewriteType	N/A	Unsigned integer.	

			Value: <ul style="list-style-type: none"> 1: NEST_S 2: NEST_C 3: NEST_SC 8: REMARK_1TO2 	
SVlanID	Outer VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094.	N/A
CVlanID	Inner VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094.	N/A
Symmetric	Symmetric	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	By default, the value is false.

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L2VPN

L2VPN/Base

This table contains global L2VPN information.

XML structure

```
<L2VPN>
  <Base>
    <Enable></Enable>
    <SupportVsiInterface></SupportVsiInterface>
    <VsiInterfaceMinID></VsiInterfaceMinID>
    <VsiInterfaceMaxID></VsiInterfaceMaxID>
    <SupportSRV></SupportSRV>
    <SupportControlWord></SupportControlWord>
    <SupportVPLSHubSpoke></SupportVPLSHubSpoke>
    <SupportVPLSMACLimit></SupportVPLSMACLimit>
    <MACLimitMAX></MACLimitMAX>
    <SupportVPWSInterworking></SupportVPWSInterworking>
    <SupportVPWSDualReceive></SupportVPWSDualReceive>
    <SupportVSIStatistics></SupportVSIStatistics>
    <SupportPWStatistics></SupportPWStatistics>
    <SupportVSIBandwidth></SupportVSIBandwidth>
    <SupportVSIBroadcastRestrained></SupportVSIBroadcastRestrained>
    <VSIBroadcastRestrainedDefault></VSIBroadcastRestrainedDefault>
    <SupportVSIMulticastRestrained></SupportVSIMulticastRestrained>
    <VSIMulticastRestrainedDefault></VSIMulticastRestrainedDefault>
    <SupportVSIUnicastRestrained></SupportVSIUnicastRestrained>
    <VSIUnicastRestrainedDefault></VSIUnicastRestrainedDefault>
    <SupportACBandwidth></SupportACBandwidth>
    <SupportVxlanOverVxlan></SupportVxlanOverVxlan>
    <SupportDscp></SupportDscp>
    <SupportServiceClass></SupportServiceClass>
    <ServiceClassValueMax></ServiceClassValueMax>
    <StatisticsInterval></StatisticsInterval>
    <SupportOverlayTunnelStatistics></SupportOverlayTunnelStatistics>
  </Base>
</L2VPN>
```

Table description

Item	Description
Feature name	L2VPN
Table name	Base

Table type	Single-instance table
Row name	N/A
Restrictions	This table supports only global configurations.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Enable	Whether L2VPN feature is enabled globally	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
SupportVsiInterface	Whether VSI interface feature is supported	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported. 	N/A
VsiInterfaceMinID	Minimum VSI interface ID.	N/A	Unsigned integer.	N/A
VsiInterfaceMaxID	Maximum VSI interface ID.	N/A	Unsigned integer.	N/A
SupportSRV	Whether SRV feature is supported	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported. 	N/A
SupportControlWord	Whether control word feature is supported	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported. 	N/A
SupportVPLSHubSpoke	Whether VPLS hub-spoke feature is supported	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported. 	N/A
SupportVPLSMACLimit	Whether VPLS MAC limit feature is supported	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported. 	N/A
MACLimitMax	Maximum VPLS MAC limit	N/A	Unsigned integer	N/A
SupportVPWSInterworking	Whether VPWS interworking feature is supported	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported. 	N/A
SupportVPWSDualReceive	Whether VPWS dualreceive feature is supported	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported. 	N/A
SupportVSIStatistics	Whether VSI statistics feature is	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported. 	N/A

	supported			
SupportPWStatistics	Whether PW statistics feature is supported	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported. 	N/A
SupportVSIbandwidth	Whether VSI bandwidth feature is supported	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported. 	N/A
SupportVSIBroadcastRestrained	Whether VSI broadcast suppression feature is supported	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported. 	N/A
VSIBroadcastRestrainedDefault	The default value of broadcast suppression bandwidth threshold.	N/A	Unsigned integer.	N/A
SupportVSIMulticastRestrained	Whether VSI multicast suppression feature is supported	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported. 	N/A
VSIMulticastRestrainedDefault	The default value of multicast suppression bandwidth threshold.	N/A	Unsigned integer.	N/A
SupportVSIUnknownUnicastRestrained	Whether VSI Unknown-unicast suppression feature is supported	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported. 	N/A
VSIUnknownUnicastRestrainedDefault	The default value of Unknown-unicast suppression bandwidth threshold.	N/A	Unsigned integer.	N/A
SupportACBandwidth	Whether AC bandwidth feature is supported	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported. 	N/A
SupportVxlanOverVxlan	Whether VXLAN over VXLAN is supported	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported. 	N/A
SupportDscp	Whether the DSCP feature is supported.	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported. 	N/A
SupportServ	Whether the	N/A	Boolean:	N/A

ceClass	service class feature is supported.		<ul style="list-style-type: none"> true—Supported. false—Not supported. 	
ServiceClass ValueMax	Maximum service class value.	N/A	Unsigned integer.	N/A
StatisticsInterval	Interval for collecting packets statistics	N/A	Unsigned integer Value range: 30 to 65535. Unit: seconds.	N/A
SupportOverlayTunnelStatistics	Whether the Overlay Tunnel statistics feature is supported	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported. 	N/A

L2VPN/SrvEncapCapabilities

This table contains the encapsulation capabilities of service instance.

XML structure

```

<L2VPN>
  <SrvEncapCapabilities>
    <Default></Default>
    <Untagged></Untagged>
    <Tagged></Tagged>
    <SvlanId></SvlanId>
    <SvlanIdOnlyTagged></SvlanIdOnlyTagged>
    <SvlanIdCvlanId></SvlanIdCvlanId>
    <CvlanId></CvlanId>
    <CvlanList></CvlanList>
    <SvlanIdCvlanList></SvlanIdCvlanList>
    <SvlanIdCvlanAll></SvlanIdCvlanAll>
    <SvlanList></SvlanList>
    <SvlanListOnlyTagged></SvlanListOnlyTagged>
    <SvlanListCvlanList></SvlanListCvlanList>
  </SrvEncapCapabilities>
</L2VPN>

```

Table description

Item	Description
Feature name	L2VPN
Table name	SrvEncapCapabilities
Table type	Single-instance table
Row name	N/A
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Default	Support for matching packets by the default criteria which matches packets that do not match any other service instance.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
Untagged	Support for matching untagged packets.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
Tagged	Support for matching all tagged packets.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
SvlanId	Support for matching packets by a SVLAN ID.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
SvlanIdOnlyTagged	Support for matching only tagged packets by a SVLAN ID.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
SvlanIdCvlanId	Support for matching packets by a SVLAN ID and a CVLAN ID.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
CvlanId	Support for matching packets by a CVLAN ID.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
CvlanList	Support for matching packets by CVLAN ID list.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
SvlanIdCvlanList	Support for matching packets by a SVLAN ID and CVLAN ID list.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
SvlanIdCvlanAll	Support for matching packets by a SVLAN ID and all CVLAN ID.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
SvlanList	Support for matching packets by SVLAN ID list	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
SvlanListOnlyTagged	Support for matching only tagged packets by SVLAN ID list.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
SvlanListCvlanList	Support for matching packets by SVLAN ID list and CVLAN ID list.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A

L2VPN/VSIs

This table contains information about VSIs.

XML structure

```
<L2VPN>
  <VSIs>
    <VSI>
      <VsiName></VsiName>
      <HubSpoke></HubSpoke>
      <VsiIndex></VsiIndex>
      <VxlanID></VxlanID>
      <NvgreID></NvgreID>
      <ArpSuppression></ArpSuppression>
      <MacLearning></MacLearning>
      <MacLimit></MacLimit>
      <Flooding></Flooding>
      <FloodType></FloodType>
      <VsiInterfaceID></VsiInterfaceID>
      <Statistics></Statistics>
      <StatisticsOverlayTunnel></StatisticsOverlayTunnel>
      <Description></Description>
      <Bandwidth></Bandwidth>
      <BroadcastRestrain></BroadcastRestrain>
      <MulticastRestrain></MulticastRestrain>
      <UnknownUnicastRestrain></UnknownUnicastRestrain>
      <AdminStatus></AdminStatus>
      <Status></Status>
      <LocMacCnt></LocMacCnt>
      <Dscp></Dscp>
      <ServiceClass></ServiceClass>
    </VSI>
  </VSIs>
</L2VPN>
```

Table description

Item	Description
Feature name	L2VPN
Table name	VSIs
Table type	Multi-instance table
Row name	VSI
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VsiName	VSI name	Index	String. Length: 1 to 31 characters.	N/A
HubSpoke	Support for hub spoke capability	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported. 	No modification. Support for this column depends on the device model.
VsiIndex	VSI index	N/A	Unsigned integer.	N/A
VxlanID	VXLAN ID	N/A	Unsigned integer, Value range: 0-16777215.	N/A
NvgreID	NVGRE ID	N/A	Unsigned integer, Value range: 4096-16777214.	N/A
ArpSuppression	ARP flooding suppression	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
MacLearning	MAC address learning	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
MacLimit	MAC table limit	N/A	Unsigned integer. Value range: The value range varies by device model.	Support for this column depends on the device model.
Flooding	Flooding for all destination-unknown frames	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
FloodType	Flood type	N/A	Enumeration: <ul style="list-style-type: none"> 1—Broadcast 2—Unknown unicast 4— Multicast 3/5/6/7—the combination of the tree type above 	N/A
VsiInterfaceID	VSI interface ID	N/A	Unsigned integer.	N/A
Statistics	VSI statistics	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled 	N/A
StatisticsOverlayTunnel	Overlay Tunnel statistics	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled 	N/A
Description	Description for the VSI	N/A	String. Length: 1 to 80 characters.	N/A
Bandwidth	VSI bandwidth	N/A	Unsigned integer	N/A

			Value range: 64 to 4194303 kbps.	
BroadcastRe strain	Broadcast suppression bandwidth threshold	N/A	Unsigned integer Value range: 0, 64 to 4194303 kbps.	N/A
MulticastRest rain	Multicast suppression bandwidth threshold	N/A	Unsigned integer Value range: 0, 64 to 4194303 kbps.	N/A
UnknownUnic astRestraining	Unknown-unicast suppression bandwidth threshold	N/A	Unsigned integer Value range: 0, 64 to 4194303 kbps.	N/A
AdminStatus	Administratively status	N/A	Enumeration: <ul style="list-style-type: none"> 1—Administratively up. 2—Administratively down. 	N/A
Status	VSI status	N/A	Enumeration: <ul style="list-style-type: none"> 1—Up. 2—Down. 	N/A
LocMacCnt	The count of local MAC addresses	N/A	Unsigned integer.	The value is always zero when the mode of VSI is not VXLAN. The value may be not zero when the mode of VSI is VXLAN.
Dscp	DSCP value	N/A	Unsigned integer. Value range: 0-63.	Support for this column depends on the device
ServiceClass	Service class value	N/A	Unsigned integer. Value range: The value range varies by device model.	Support for this column depends on the device

L2VPN/PWClasses

This table contains PW class information.

XML structure

```

<L2VPN>
  <PWClasses>
    <PWClass>
      <PWClassName></PWClassName>
      <ControlWord></ControlWord>
      <PWType></PWType>
      <SequencingBoth></SequencingBoth>
    </PWClass>
  </PWClasses>

```

</L2VPN>

Table description

Item	Description
Feature name	L2VPN
Table name	PWClasses
Table type	Multi-instance table
Row name	PWClass
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PWClassName	PW class name	Index	String. Length: 1 to 19 characters.	N/A
ControlWord	Control word for ACs	N/A	Boolean: <ul style="list-style-type: none">true—Enabled.false—Disabled.	N/A
PWType	PW type for ACs	N/A	Enumeration: <ul style="list-style-type: none">1—VLAN.2—Ethernet.	N/A
SequencingBoth	Sequencing for both incoming and outgoing packets	N/A	Boolean: <ul style="list-style-type: none">true—Enabled.false—Disabled.	Support for this column depends on the device model.

L2VPN/SRVs

This table contains information about service instances of layer 2 ethernet interfaces.

XML structure

```
<L2VPN>
  <SRVs>
    <SRV>
      <IfIndex></IfIndex>
      <SrvID></SrvID>
      <Encap></Encap>
      <SVlanRange></SVlanRange>
      <CVlanRange></CVlanRange>
    </SRV>
  </SRVs>
</L2VPN>
```

Table description

Item	Description
Feature name	L2VPN
Table name	SRVs
Table type	Multi-instance table
Row name	SRV
Restrictions	This table supports only layer 2 Ethernet interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
SrvID	Service instance ID	Index	Unsigned integer. Value range: 1 to 4096.	N/A
Encap	Encapsulation type	N/A	Enumeration: <ul style="list-style-type: none"> 1—Default. 2—Untagged. 3—Tagged 4—SvlanId 5—SvlanIdOnlyTagged 6—SvlanIdCvlanId 7—CvlanId 8—CvlanList 9—SvlanIdCvlanList 10—SvlanIdCvlanAll 11—SvlanList 12—SvlanListOnlyTagged 13—SvlanListCvlanList 	N/A
SVlanRange	A outer VLAN ID or a list of outer VLAN IDs	N/A	Number string. It is a comma-separated list of VLAN items. An item can be an individual VLAN ID or a VLAN ID range. Use a hyphen (-) to separate the start and end	Example: 1,2,3,5-8,10-20. The column is available when the value of Encap is SvlanId or

			<p>VLANs of a range, and the end VLAN ID must be larger than the start VLAN ID.</p> <p>The string must not end with a comma or hyphen, or include any whitespace characters.</p>	<p>SvlanIdOnlyTagged or SvlanList or SvlanListOnlyTagged or SvlanIdCvlanId or SvlanIdCvlanList or SvlanIdCvlanAll.</p>
CVlanRange	A inner VLAN ID or a list of inner VLAN IDs	N/A	<p>Number string.</p> <p>It is a comma-separated list of VLAN items. An item can be an individual VLAN ID or a VLAN ID range. Use a hyphen (-) to separate the start and end VLANs of a range, and the end VLAN ID must be larger than the start VLAN ID.</p> <p>The string must not end with a comma or hyphen, or include any whitespace characters.</p>	<p>Example: 1,2,3,5-8,10-20.</p> <p>The column is available when the value of Encap is CvlanId or CvlanList or SvlanIdCvlanId or SvlanIdCvlanList or SvlanIdCvlanAll.</p>

L2VPN/ACs

This table contains information about ACs.

XML structure

```

<L2VPN>
  <ACs>
    <AC>
      <IfIndex></IfIndex>
      <SrvID></SrvID>
      <VsiName></VsiName>
      <AccessMode></AccessMode>
      <Hub></Hub>
      <Statistics></Statistics>
      <Bandwidth></Bandwidth>
      <LearningMode></LearningMode>
      <InPkts></InPkts>
      <InOctets></InOctets>
      <OutPkts></OutPkts>
      <OutOctets></OutOctets>
    </AC>
  </ACs>
</L2VPN>

```

Table description

Item	Description
Feature name	L2VPN

Table name	ACs
Table type	Multi-instance table
Row name	AC
Restrictions	This table supports only layer 2 Ethernet interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
SrvID	Service instance ID	Index	Unsigned integer. Value range: 1 to 4096.	N/A
VsiName	VSI name	N/A	String. Length: 1 to 31 characters.	N/A
AccessMode	The access mode of this AC	N/A	Enumeration: <ul style="list-style-type: none"> 1—Vlan. 2—Ethernet. 	N/A
Hub	Hub spoke attribute for the Link.	N/A	Boolean: <ul style="list-style-type: none"> true—Hub. false—Spoke. 	Only exists when the VSI supports hub-spoke capability.
Statistics	Whether statistics function is enabled	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	N/A
Bandwidth	AC bandwidth	N/A	Unsigned integer Value range: 64 to 4194303 kbps.	N/A
LearningMode	MAC learning mode of the AC	N/A	Enumeration: <ul style="list-style-type: none"> 0—MAC mode. 1—SVID only. 2—Double VIDs. 3—Learning disabled 	By Default, the value is 0 (MAC mode). Support for this column depends on the device.
InPkts	Number of inbound packets	N/A	Unsigned integer64. Value range: 0 to $2^{64} - 1$.	N/A
InOctets	Number of	N/A	Unsigned integer64.	N/A

	inbound bytes		Value range: 0 to $2^{64} - 1$.	
OutPkts	Number of Outbound packets	N/A	Unsigned integer64. Value range: 0 to $2^{64} - 1$.	N/A
OutOctets	Number of Outbound bytes	N/A	Unsigned integer64. Value range: 0 to $2^{64} - 1$.	N/A

L2VPN/L3Interfaces

This table contains information about ACs for Layer 3 Ethernet interfaces.

XML structure

```
<L2VPN>
  <L3Interfaces>
    <L3Interface>
      <IfIndex></IfIndex>
      <VsiName></VsiName>
      <AccessMode></AccessMode>
      <Hub></Hub>
    </L3Interface>
  </L3Interfaces>
</L2VPN>
```

Table description

Item	Description
Feature name	L2VPN
Table name	L3Interfaces
Table type	Multi-instance table
Row name	L3Interface
Restrictions	This table supports only layer 3 Ethernet interfaces.
Support for row creation and deletion	This table supports only layer 3 Ethernet interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For

				information about IfIndex, see “Appendix” in Ifmgr NETCONF XML API Configuration Reference.
VsiName	VSI name	N/A	String. Length: 1 to 31 characters.	You must create a VSI first before you merge, replace or create ACs.
AccessMode	Access mode of the AC	N/A	Enumeration: <ul style="list-style-type: none"> 1—VLAN. 2—Ethernet. 	N/A
Hub	Hub spoke attribute for the Link.	N/A	Boolean: <ul style="list-style-type: none"> true—Hub. false—Spoke. 	Only exists when the VSI supports hub-spoke capability.

L2VPN/FloodingMACs

This table contains information about MAC addresses which can be selectively flooded.

XML structure

```

<L2VPN>
  <FloodingMACs>
    <MAC>
      <VsiName></VsiName>
      <MacAddr></MacAddr>
    </MAC>
  </FloodingMACs>
</L2VPN>

```

Table description

Item	Description
Feature name	L2VPN
Table name	FloodingMACs
Table type	Multi-instance table
Row name	MAC
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VsiName	VSI name	Index	String. Length: 1 to 31 characters.	N/A
MacAddr	MAC address	Index	Six groups of two hexadecimal digits, hyphen-separated.	Example: 00-0c-af-e3-5d-c0.

L2VPN/LocalMACs

This table contains information about local MAC addresses of each VSI.

XML structure

```
<L2VPN>
  <LocalMACs>
    <MAC>
      <VsiName></VsiName>
      <MacAddr></MacAddr>
      <IfIndex></IfIndex>
      <SrvID></SrvID>
      <Type></Type>
    </MAC>
  </LocalMACs>
</L2VPN>
```

Table description

Item	Description
Feature name	L2VPN
Table name	LocalMACs
Table type	Multi-instance table
Row name	MAC
Restrictions	Only supported when the mode of VSI is VXLAN.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VsiName	VSI name	Index	String. Length: 1 to 31 characters.	N/A
MacAddr	MAC address	Index	Six groups of two hexadecimal digits, hyphen-separated.	Example:

				00-0c-af-e3-5d-c0.
IfIndex	Interface index	N/A	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
SrvID	Service instance ID	N/A	Unsigned integer. Value range: 1 to 4096.	N/A
Type	Type of local MAC address	N/A	Enumeration: <ul style="list-style-type: none"> 0—Dynamic 1—Static 	N/A

L2VPN/VSIStatistics

This table contains VSI traffic statistics.

XML structure

```

<L2VPN>
  <VSIStatistics>
    <Statistics>
      <VsiName></VsiName>
      <InPkts></InPkts>
      <InOctets></InOctets>
      <InErrors></InErrors>
      <InDiscards></InDiscards>
      <OutPkts></OutPkts>
      <OutOctets></OutOctets>
      <OutErrors></OutErrors>
      <OutDiscards></OutDiscards>
    </Statistics>
  </VSIStatistics>
</L2VPN>

```

Table description

Item	Description
Feature name	L2VPN
Table name	VSIStatistics

Table type	Multi-instance table
Row name	Statistics
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VsiName	VSI name	Index	String. Length: 1 to 31 characters.	N/A
InPkts	Number of inbound packets	N/A	Unsigned integer64. Value range: 0 to $2^{64} - 1$.	N/A
InOctets	Number of inbound bytes	N/A	Unsigned integer64. Value range: 0 to $2^{64} - 1$.	N/A
InErrors	Number of inbound error packets	N/A	Unsigned integer64. Value range: 0 to $2^{64} - 1$.	N/A
InDiscards	Number of inbound discard packets	N/A	Unsigned integer64. Value range: 0 to $2^{64} - 1$.	N/A
OutPkts	Number of Outbound packets	N/A	Unsigned integer64. Value range: 0 to $2^{64} - 1$.	N/A
OutOctets	Number of Outbound bytes	N/A	Unsigned integer64. Value range: 0 to $2^{64} - 1$.	N/A
OutErrors	Number of Outbound error packets	N/A	Unsigned integer64. Value range: 0 to $2^{64} - 1$.	N/A
OutDiscards	Number of Outbound discard packets	N/A	Unsigned integer64. Value range: 0 to $2^{64} - 1$.	N/A

L2VPN/AvailableVSIInterfaceID

This table contains the available VSI interface ID.

XML structure

```

<L2VPN>
  <AvailableVSIInterfaceID>
    <ID></ID>
  </AvailableVSIInterfaceID>
</L2VPN>

```

Table description

Item	Description
Feature name	L2VPN
Table name	AvailableVSIInterfaceID
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ID	Available VSI interface ID	N/A	Unsigned integer.	The range of VsiInterfaceID is reference in table of Base which in Data API.

L2VPN/VSIInterfaces

This table contains information about VSI interfaces.

XML structure

```
<L2VPN>
  <VSIInterfaces>
    <Interface>
      <ID></ID>
      <IfIndex></IfIndex>
      <Name></Name>
      <LocalEnable></LocalEnable>
      <L3VNI></L3VNI>
      <ArpSendRate></ArpSendRate>
      <PrefixRouteGenerate></PrefixRouteGenerate>
    </Interface>
  </VSIInterfaces>
</L2VPN>
```

Table description

Item	Description
Feature name	L2VPN
Table name	VSIInterfaces

Table type	Multi-instance table
Row name	Interface
Restrictions	You must enable global L2VPN feature at first.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ID	VSI interface ID	Index	Unsigned integer.	N/A
IfIndex	Interface index.	N/A	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
Name	Full name of an interface	N/A	String. Length: 2 to 47 characters.	N/A
LocalEnable	Local distributed gateway	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
L3VNI	L3 VNI for the tenant	N/A	Unsigned integer	N/A
ArpSendRate	ARP packet sending rate limit	N/A	Unsigned integer.	0 for no limit.
PrefixRouteGenerate	Whether EVPN route advertisement is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled (default). false—Disabled. 	N/A

L2VPN/VSIIPv4Subnets

This table contains information about IPv4 subnet configurations.

XML structure

```

<L2VPN>
  <VSIIPv4Subnets>
    <IPv4Subnet>
      <VsiName></VsiName>
      <SubnetAddress></SubnetAddress>
    
```

```

        <WildcardMask></WildcardMask>
        <VsiInterfaceID></VsiInterfaceID>
    </Ipv4Subnet>
</VSIIPv4Subnets>
</L2VPN>

```

Table description

Item	Description
Feature name	L2VPN
Table name	VSIIPv4Subnets
Table type	Multi-instance table
Row name	Ipv4Subnet
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VsiName	VSI name	Index	String. Length: 1 to 31 characters.	N/A
SubnetAddress	IPv4 address	Index	String, dotted decimal notation.	N/A
WildcardMask	Wildcard mask	Index	String, dotted decimal notation.	N/A
VsiInterfaceID	VSI interface ID	N/A	Unsigned integer	N/A

L2VPN/VSIIPv6Subnets

This table contains information about IPv6 subnet configurations.

XML structure

```

<L2VPN>
  <VSIIPv6Subnets>
    <Ipv6Subnet>
      <VsiName></VsiName>
      <SubnetAddress></SubnetAddress>
      <PrefixLength></PrefixLength>
      <VsiInterfaceID></VsiInterfaceID>
    </Ipv6Subnet>
  </VSIIPv6Subnets>
</L2VPN>

```


Table description

Item	Description
Feature name	L2VPN
Table name	VSIIPv6Subnets
Table type	Multi-instance table
Row name	Ipv6Subnet
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VsiName	VSI name	Index	String. Length: 1 to 31 characters.	N/A
SubnetAddress	IPv6 address	Index	Hexadecimal string, colon-separated.	Example: ABCD:EF01::1
PrefixLength	Prefix length of the IPv6 address	N/A	Unsigned integer. Value range: 1- 128.	N/A
VsiInterfaceID	VSI interface ID	N/A	Unsigned integer	N/A

L2VPN/InterfaceConfigs

This table contains information about configurations of interfaces.

XML structure

```
<L2VPN>
  <InterfaceConfigs>
    <InterfaceConfig>
      <IfIndex></IfIndex>
      <SoftwareLearning></SoftwareLearning>
      <Dci></Dci>
      <VxlanOverVxlan></VxlanOverVxlan>
      <MacBasedAc></MacBasedAc>
    </InterfaceConfig>
  </InterfaceConfigs>
</L2VPN>
```

Table description

Item	Description
Feature name	L2VPN
Table name	InterfaceConfigs
Table type	Multi-instance table
Row name	InterfaceConfig
Restrictions	You must first enable the L2VPN feature globally.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
SoftwareLearning	Whether learning MAC addresses through software function is enabled	N/A	Boolean: <ul style="list-style-type: none">truefalse	N/A
Dci	Whether Dci is enabled	N/A	Boolean: <ul style="list-style-type: none">truefalse	N/A
VxlanOverVxlan	Whether VXLAN over VXLAN is enabled	N/A	Boolean: <ul style="list-style-type: none">truefalse	N/A
MacBasedAc	Whether mac based ac is enable	N/A	Boolean: <ul style="list-style-type: none">truefalse (default)	Support for this column depends on the device model.

L2VPN/SrvRewrites

This table contains information about VLAN tag rewrite capability of service instances.

XML structure

```
<L2VPN>
  <SrvRewrites>
    <SrvRewrite>
      <IfIndex></IfIndex>
      <SrvID></SrvID>
      <Inbound>
        <RewriteType></RewriteType>
        <SVlanID></SVlanID>
        <CVlanID></CVlanID>
        <Symmetric></Symmetric>
      </Inbound>
      <Outbound>
        <RewriteType></RewriteType>
        <SVlanID></SVlanID>
        <CVlanID></CVlanID>
      </Outbound>
    </SrvRewrite>
  </SrvRewrites>
</L2VPN>
```

Table description

Item	Description
Feature name	L2VPN
Table name	SrvRewrites
Table type	Multi-instance table
Row name	SrvRewrite
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API

				Configuration Reference.
SrvID	Service instance ID	Index	Unsigned integer. Value range: 1 to 4096.	N/A
Inbound	Inbound direction of packets	N/A	Members include: <ul style="list-style-type: none"> • RewriteType • SvlanID • CvlanID • Symmetric 	NA
Outbound	Outbound direction of packets	N/A	Members include: <ul style="list-style-type: none"> • RewriteType • SvlanID • CvlanID 	N/A
RewriteType	Rewrite type	N/A	Unsigned integer. Value: <ul style="list-style-type: none"> • 1: NEST • 2: REMARK_ONE • 3: REMARK_TWO • 4: STRIP_SVLAN • 5: STRIP_CVLAN • 6: STRIP_BOTH 	N/A
SVlanID	Outer VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094.	N/A
CVlanID	Inner VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094.	N/A
Symmetric	Whether opposite VLAN tag processing is enabled for outgoing traffic	N/A	Boolean: <ul style="list-style-type: none"> • true—Enabled. • false—Disabled. 	By default, the value is false.

L2VPN/L3Rewrites

This table contains information about rewrite capability of ac interface.

XML structure

```

<L2VPN>
  <L3Rewrites>
    <L3Rewrite>
      <IfIndex></IfIndex>
      <RewriteType></RewriteType>
      <SVlanID></SVlanID>
      <CVlanID></CVlanID>
      <Symmetric></Symmetric>
    </L3Rewrite>
  </L3Rewrites>
</L2VPN>

```

Table description

Item	Description
Feature name	L2VPN
Table name	L3Rewrites
Table type	Multi-instance table
Row name	L3Rewrite
Restrictions	You must enable L2VPN feature globally at first.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in Ifmgr NETCONF XML API Configuration Reference.
RewriteType	RewriteType	N/A	Unsigned integer. Value: <ul style="list-style-type: none"> 1: NEST_S 2: NEST_C 3: NEST_SC 8: REMARK_1TO2 	
SVlanID	Outer VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094.	N/A
CVlanID	Inner VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094.	N/A
Symmetric	Symmetric	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A.

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LAGG

LAGG/Base

This table contains global LAGG information.

XML structure

```
<LAGG>
  <Base>
    <SystemPriority></SystemPriority>
    <LoadSharingMode></LoadSharingMode>
  </Base>
</LAGG>
```

Table description

Item	Description
Feature name	LAGG
Table name	Base
Table type	Single-instance table
Row name	None
Restrictions	This table supports only global configurations.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
SystemPriority	Priority assigned to the local system	N/A	Unsigned integer Value range: 0 to 65535. Default: 32768. The smaller the value, the higher the system LACP priority.
LoadSharingMode	Global link-aggregation load sharing mode.	N/A	Unsigned integer64. Default: 0. Ingress Port is encoded in bit 1. Destination MAC is encoded in bit 2. Source MAC is encoded in bit 3. Destination IP is encoded in bit 4. Source IP is encoded in bit 5. VLAN ID is encoded in bit 6.

			<p>Layer 4 destination-port is encoded in bit 7.</p> <p>Layer 4 source-port is encoded in bit 8.</p> <p>IP Protocol is encoded in bit 9.</p> <p>MPLS Label1 is encoded in bit 10.</p> <p>MPLS Labe2 is encoded in bit 11.</p> <p>MPLS Labe3 is encoded in bit 12.</p> <p>Packet type-based sharing is encoded in bit 13.</p> <p>Per-packet is encoded in bit 14.</p>
--	--	--	--

LAGG/Groups

This table contains information about link aggregation groups.

XML structure

```

<LAGG>
  <LAGGGroups>
    <LAGGGroup>
      <GroupId></GroupId>
      <LinkMode></LinkMode>
      <LacpEdgeEnable></LacpEdgeEnable>
      <LoadSharingMode></LoadSharingMode>
    </LAGGGroup>
  </LAGGGroups>
</LAGG>

```

Table description

Item	Description
Feature name	LAGG
Table name	LAGGGroups
Table type	Multi-instance table
Row name	LAGGGroup
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
GroupId	Aggregation group ID	Index	Unsigned integer. Value range: <ul style="list-style-type: none"> Layer 2 aggregation group: 1 to 16384. Layer 3 aggregation group: 16385 to 32768. Blade aggregation group: 32769 to 36864. S-channel bundle group: 36865 to 40960.
LinkMode	Link aggregation mode	N/A	Enumeration: <ul style="list-style-type: none"> 1—Static (default). 2—Dynamic. Not configured for blade aggregation group.
LacpEdgeEnable	Edge aggregate interface feature	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled(default). Not configured for blade aggregation group.
LoadSharingMode	Link-aggregation load sharing mode	N/A	Unsigned integer64. Default: 0. Ingress Port is encoded in bit 1 . Destination MAC is encoded in bit 2 . Source MAC is encoded in bit 3 . Destination IP is encoded in bit 4 . Source IP is encoded in bit 5 . VLAN ID is encoded in bit 6 . Layer 4 destination-port is encoded in bit 7 . Layer 4 source-port is encoded in bit 8 . IP Protocol is encoded in bit 9 . MPLS Label1 is encoded in bit 10 . MPLS Labe2 is encoded in bit 11 . MPLS Labe3 is encoded in bit 12 . Packet type-based sharing is encoded in bit 13 . Per-packet is encoded in bit 14 . Not configured for S-channel bundle group.

LAGG/Members

This table contains information about link aggregation members.

XML structure

```
<LAGG>
  <LAGGMembers>
    <LAGGMember>
      <IfIndex></IfIndex>
      <GroupId></GroupId>
      <LacpMode></LacpMode>
      <LacpShortPeriodEnable></LacpShortPeriodEnable>
      <ActorPortPriority></ActorPortPriority>
    </LAGGMember>
  </LAGGMembers>
</LAGG>
```

Table description

Item	Description
Feature name	LAGG
Table name	LAGGMembers
Table type	Multi-instance table
Row name	LAGGMember
Restrictions	This table supports only Ethernet interfaces.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Member port index	Index	Unsigned integer.
GroupId	Aggregation group ID	N/A	Unsigned integer. Value range: <ul style="list-style-type: none">Layer 2 aggregation group: 1 to 16384.Layer 3 aggregation group: 16385 to 32768.S-channel bundle group: 36865 to 40960.Default: 0. Not assigned to any link aggregation group.
LacpMode	LACP mode of a member port	N/A	Enumeration: <ul style="list-style-type: none">1—Active (default).2—Passive.

LacpShortPeriodEnable	LACP short period function	N/A	Boolean: <ul style="list-style-type: none"> • true—Enabled. • false—Disabled (default).
ActorPortPriority	Priority assigned to this local port	N/A	Unsigned integer Value range: 0 to 65535 Default: 32768. The smaller the value, the higher the system LACP priority.

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LAGG

LAGG/Base

This table contains global LAGG information.

XML structure

```
<LAGG>
  <Base>
    <SystemID></SystemID>
    <SystemPriority></SystemPriority><LoadSharingMode></LoadSharingMode>
  </Base>
</LAGG>
```

Table description

Item	Description
Feature name	LAGG
Table name	Base
Table type	Single-instance table
Row name	None
Restrictions	This table supports only global configurations.

Columns

Column name	Column description	Column type	Data type and restrictions
SystemID	The Actor's System ID	N/A	A 6-octet MAC address value.
SystemPriority	The priority assigned to the Actor System	N/A	Unsigned integer: 0 to 65535. The smaller the value, the higher the system LACP priority.
LoadSharingMode	Global link-aggregation load sharing mode.	N/A	Unsigned integer64. Ingress Port is encoded in bit 1. Destination MAC is encoded in bit 2. Source MAC is encoded in bit 3. Destination IP is encoded in bit 4. Source IP is encoded in bit 5. VLAN ID is encoded in bit 6. Layer 4 destination-port is encoded in bit 7. Layer 4 source-port is encoded in bit 8. IP Protocol is encoded in bit 9.

			MPLS Label1 is encoded in bit 10. MPLS Label2 is encoded in bit 11. MPLS Label3 is encoded in bit 12. Packet type-based sharing is encoded in bit 13. Per-packet is encoded in bit 14.
--	--	--	---

LAGG/Groups

This table contains link aggregation group information.

XML structure

```

<LAGG>
  <LAGGGroups>
    <LAGGGroup>
      <GroupId></GroupId>
      <LinkMode></LinkMode>
      <IfIndex></IfIndex>
      <MemberList></MemberList>
      <SelectedMemberList></SelectedMemberList>
      <LacpEdgeEnable></LacpEdgeEnable>
      <LoadSharingMode></LoadSharingMode>
      <PartnerSystemID></PartnerSystemID>
      <PartnerSystemPriority></PartnerSystemPriority>
    </LAGGGroup>
  </LAGGGroups>
</LAGG>

```

Table description

Item	Description
Feature name	LAGG
Table name	LAGGGroups
Table type	Multi-instance table
Row name	LAGGGroup
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
GroupId	Aggregation group ID	Index	Unsigned integer. <ul style="list-style-type: none"> Layer 2 aggregation group: 1 to 16384. Layer 3 aggregation group: 16385 to 32768. Blade aggregation group: 32769 to 36864. S-channel bundle group: 36865 to 40960.
LinkMode	Link aggregation mode	N/A	Enumeration: <ul style="list-style-type: none"> 1—Static. 2—Dynamic.
IfIndex	Aggregate interface index	N/A	Unsigned integer.
MemberList	Member list	N/A	Bitmap. No length restrictions. Each octet within this value specifies a set of eight ports, with the first octet specifying ports 1 through 8, the second octet specifying ports 9 through 16, etc. Within each octet, the most significant bit represents the lowest numbered port, and the least significant bit represents the highest numbered port. Thus, each port of the bridge is represented by a single bit within the value of this object. If that bit has a value of '1' then that port is included in the set of ports; the port is not included if its bit has a value of '0'.
SelectedMemberList	Selected member list	N/A	Bitmap. No length restrictions. Same restriction with MemberList.
LacpEdgeEnable	Edge aggregate interface feature	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
LoadSharingMode	Link-aggregation load sharing mode	N/A	Unsigned integer64. Ingress Port is encoded in bit 1. Destination MAC is encoded in bit 2. Source MAC is encoded in bit 3. Destination IP is encoded in bit 4. Source IP is encoded in bit 5. VLAN ID is encoded in bit 6. Layer 4 destination-port is encoded in bit 7. Layer 4 source-port is encoded in bit 8. IP Protocol is encoded in bit 9. MPLS Label1 is encoded in bit 10. MPLS Label2 is encoded in bit 11. MPLS Label3 is encoded in bit 12.

			Packet type-based sharing is encoded in bit 13 . Per-packet is encoded in bit 14 .
PartnerSystemID	The Partner's System ID	N/A	A 6-octet MAC address value. A value of zero indicates that there is no known Partner or the aggregation is static mode.
PartnerSystemPriority	The priority assigned to the Partner System	N/A	Unsigned integer: 0 to 65535 Default value is 32768. The smaller the value, the higher the system LACP priority.

LAGG/Members

This table contains aggregation member port information.

XML structure

```

<LAGG>
  <LAGGMembers>
    <LAGGMember>
      <IfIndex></IfIndex>
      <GroupId></GroupId>
      <SelectedStatus></SelectedStatus>
      <UnSelectedReason></UnSelectedReason>
      <LacpEnable></LacpEnable>
      <LacpMode></LacpMode>
      <LacpShortPeriodEnable></LacpShortPeriodEnable>
      <ActorPortPriority></ActorPortPriority>
      <ActorState></ActorState>
      <ActorOperKey></ActorOperKey>
      <ActorPort></ActorPort>
      <PartnerSystemID></PartnerSystemID>
      <PartnerSystemPriority></PartnerSystemPriority>
      <PartnerPortPriority></PartnerPortPriority>
      <PartnerState></PartnerState>
      <PartnerOperKey></PartnerOperKey>
      <PartnerPort></PartnerPort>
    </LAGGMember>
  </LAGGMembers>
</LAGG>

```

Table description

Item	Description
Feature name	LAGG
Table name	LAGGMembers

Table type	Multi-instance table
Row name	LAGGMember
Restrictions	This table supports only Ethernet interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Member port index	Index	Unsigned integer.
GroupId	Aggregation group ID	N/A	Unsigned integer. <ul style="list-style-type: none"> 0: Not assigned to any link aggregation group. Layer 2 aggregation group: 1 to 16384. Layer 3 aggregation group: 16385 to 32768. Blade aggregation group: 32769 to 36864. S-channel bundle group: 36865 to 40960.
SelectedStatus	Selected status of a member port	N/A	Enumeration: <ul style="list-style-type: none"> 1—Selected. 2—Unselected. 3—Individual.
UnSelectedReason	Unselected reason of a member port	N/A	Enumeration: <ul style="list-style-type: none"> 0—The port is attached to this aggregator. Indicate that selected status of a member port is Selected or Individual. 1—The current number of active ports has reached the upper limit. 2—All aggregation resources are already in-use. 3—The port's configuration is improper for being attached. 4—The port's partner is improper for being attached. 5—The number of current active ports has not reached the lower limit. 6—The port's physical state (down) is improper for being attached. 7—The port is not selected for an aggregator. 8—The port's hardware restriction is improper for being attached. 9—The port's speed is improper for being attached. 10—The port's duplex mode is improper for being attached.
LacpEnable	LACP enable flag of	N/A	Boolean:

	a member port		<ul style="list-style-type: none"> • true—Enabled. • false—Disabled.
LacpMode	LACP mode of a member port	N/A	Enumeration: <ul style="list-style-type: none"> • 1—Active. • 2—Passive.
LacpShortPeriodEnable	LACP short period function	N/A	Boolean: <ul style="list-style-type: none"> • true—Enabled. • false—Disabled.
ActorPortPriority	The priority assigned to this port by the Actor	N/A	Unsigned integer Value range: 0 to 65535 The smaller the value, the higher the system LACP priority.
ActorState	The Actor's state variables for the port	N/A	Encoded as individual bits within a single octet <ul style="list-style-type: none"> • LACP_Activity is encoded in bit 0. This flag indicates the Activity control value with regard to this link. Active LACP is encoded as a 1; Passive LACP is encoded as a 0. • LACP_Timeout is encoded in bit 1. This flag indicates the Timeout control value with regard to this link. Short Timeout is encoded as a 1; Long Timeout is encoded as a 0. • Aggregation is encoded in bit 2. If TRUE (encoded as a 1), this flag indicates that the System considers this link to be Aggregatable. If FALSE (encoded as a 0), the link is considered to be Individual. • Synchronization is encoded in bit 3. If TRUE (encoded as a 1), the System considers this link to be IN_SYNC. If FALSE (encoded as a 0), then this link is currently OUT_OF_SYNC. • Collecting is encoded in bit 4. TRUE (encoded as a 1) means collection of incoming frames on this link is definitely enabled. Its value is otherwise FALSE (encoded as a 0). • Distributing is encoded in bit 5. FALSE (encoded as a 0) means distribution of outgoing frames on this link is definitely disabled. Its value is otherwise TRUE (encoded as a 1). • Defaulted is encoded in bit 6. If TRUE (encoded as a 1), this flag indicates that the Actor's Receive machine is using Defaulted operational Partner information, administratively

			<p>configured for the Partner. If FALSE (encoded as a 0), the operational Partner information in use has been received in a LACPDU;</p> <ul style="list-style-type: none"> Expired is encoded in bit 7. If TRUE (encoded as a 1), this flag indicates that the Actor's Receive machine is in the EXPIRED state; if FALSE (encoded as a 0), this flag indicates that the Actor's Receive machine is not in the EXPIRED state.
ActorOperKey	The operational Key value assigned to the port by the Actor	N/A	Unsigned integer
ActorPort	The port number assigned to the port by the Actor	N/A	Unsigned integer
PartnerSystemID	The Partner's System ID	N/A	A 6-octet MAC address value. A value of zero indicates that there is no known Partner or the aggregation is static mode.
PartnerSystemPriority	The priority assigned to the Partner System	N/A	<p>Unsigned integer</p> <p>Value range: 0 to 65535</p> <p>The smaller the value, the higher the system LACP priority.</p>
PartnerPortPriority	The priority assigned to this port by the Partner	N/A	<p>Unsigned integer</p> <p>Value range: 0 to 65535</p> <p>The smaller the value, the higher the system LACP priority.</p>
PartnerState	The Partner's state variables for the port	N/A	<p>Encoded as individual bits within a single octet.</p> <p>Encoded meaning in every bits relate to ActorState.</p>
PartnerOperKey	The operational Key value assigned to the port by the Partner	N/A	Unsigned integer.
PartnerPort	The port number assigned to the port by the Partner	N/A	Unsigned integer.

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LB

LB/HTTPVirtualServers

This table contains information about HTTP and fast HTTP virtual servers.

XML structure

```
<LB>
  <HTTPVirtualServers>
    <HTTPVirtualServer>
      <Name></Name>
      <Type></Type>
      <Description></Description>
      <VRF></VRF>
      <Ipv4Address></Ipv4Address>
      <Ipv6Address></Ipv6Address>
      <PortNumber></PortNumber>
      <DefaultServerFarm></DefaultServerFarm>
      <BackupServerFarm></BackupServerFarm>
      <StickyGroup></StickyGroup>
      <Policy></Policy>
      <IPParameter></IPParameter>
      <TCPParameter></TCPParameter>
      <HTTPParameter></HTTPParameter>
      <OneConnectParameter></OneConnectParameter>
      <MaxConnectionLimit></MaxConnectionLimit>
      <RateLimitConnection></RateLimitConnection>
      <RateLimitBandwidth></RateLimitBandwidth>
      <SSLServerPolicy></SSLServerPolicy>
      <SSLClientPolicy></SSLClientPolicy>
      <RedirectRelocation></RedirectRelocation>
      <RedirectReturnCode></RedirectReturnCode>
      <ServiceEnable></ServiceEnable>
      <RateLimitInBandwidth></RateLimitInBandwidth>
      <RateLimitOutBandwidth></RateLimitOutBandwidth>
      <BusyProtectEnable></BusyProtectEnable>
      <RSBandwidthProtectOrigin></RSBandwidthProtectOrigin>
      <ConnSynEnable></ConnSynEnable>
      <StickySynEnable></StickySynEnable>
      <HTTPCompressionParameter></HTTPCompressionParameter>
      <LimitPolicy></LimitPolicy>
      <RouteAdvertisementEnable></RouteAdvertisementEnable>
    </HTTPVirtualServer>
  </HTTPVirtualServers>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	HTTPVirtualServers
Table type	Multi-instance table
Row name	HTTPVirtualServer
Restrictions	Only HTTP and FASTHTTP virtual servers can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the virtual server.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Type	Type of the virtual server.	N/A	Enumeration: <ul style="list-style-type: none"> 0—HTTP. 1—FASTHTTP 	When a virtual server is created, the column must be specified. Once created, this column cannot be changed.
Description	Description for the virtual server.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
VRF	VRF name.	N/A	String, Length: 0 to 31 characters. By default, no VRF is specified.	The null string indicates public network.
Ipv4Address	IPv4 address.	N/A	String. Dotted decimal notation. By default, no IPv4 address is specified.	Example: 1.1.1.1. Loopback addresses, multicast addresses, broadcast addresses, and addresses such as 0.x.x.x with mask length 32 are not supported.
Ipv6Address	IPv6 address.	N/A	Hexadecimal string, colon-separated. By default, no IPv6 address is specified.	Example: 2::2. Loopback addresses, multicast addresses, and link local addresses are not supported.
PortNumber	Number of the port.	N/A	Unsigned integer. Value range: 1 to 65535. By default, the value is 80.	N/A
DefaultServerFarm	Name of the default server	N/A	String, case-insensitive.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	farm.		Length: 1 to 63 characters.	
BackupServerFarm	Name of the backup server farm.	N/A	String, case-insensitive. Length: 1 to 63 characters.	This column cannot be configured if the default server farm is not configured.
StickyGroup	Name of the sticky group.	N/A	String, case-insensitive. Length: 1 to 63 characters.	This column cannot be configured if the default server farm is not configured.
Policy	Name of the policy.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
IPParameter	Parameter whose type is IP for the virtual server.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
TCPParameter	Parameter whose type is TCP for the virtual server.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
HTTPParameter	Parameter whose type is HTTP for the virtual server.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
OneConnectParameter	Parameter whose type is OneConnect for the virtual server	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
MaxConnectionLimit	Maximum connection limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. By default, the value is 0, which indicates no limit.	N/A
RateLimitConnection	Maximum connection rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: cps. By default, the value is 0, which indicates no limit.	N/A
RateLimitBandwidth	Maximum bandwidth rate limit number.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s. By default, the value	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			is 0 KB/s, which indicates no limit.	
SSLServerPolicy	Name of the SSL server policy.	N/A	String, case-insensitive. Length: 0 to 31 characters.	This column can be configured only when the type is HTTP (0).
SSLClientPolicy	Name of the SSL client policy.	N/A	String, case-insensitive. Length: 0 to 31 characters.	This column can only be configured when the type is HTTP (0).
RedirectRelocation	Redirection URL.	N/A	String, case-insensitive. Length: 1 to 63 characters.	This column can only be configured when the type is HTTP (0). The column which has two special usages, analyses host and URL from requests. Only three symbols such as 'p', 'h' and '%' can be put behind '%'. Two '%' are regarded as one '%', process can handle, so the number of '%' must be even. They input below, except '%%%p' and '%%%h'. '%p' and '%h' only have one occurrence in the messages.
RedirectReturnCode	Redirection condition code.	N/A	Enumeration: <ul style="list-style-type: none"> 301—The requested resource has been permanently moved. 302—The requested resource has been temporarily moved (default). 	This column can only be configured when the type of the virtual server is HTTP (0).
ServiceEnable	Enable the virtual server.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
RateLimitInBandwidth	Inbound maximum bandwidth rate limit number.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s. By default, the value is 0 KB/s, which indicates no inbound limit.	N/A
RateLimitOutBandwidth	Outbound maximum bandwidth rate limit number.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s. By default, the value is 0 KB/s, which	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			indicates no outbound limit.	
BusyProtectEnable	Enable bandwidth busy protection.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
RSBandwidthProtectOrigin	Origin of real server bandwidth statistics that are used for bandwidth protection.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Using LB bandwidth statistics (default). 1—Using interface bandwidth statistics. 	N/A
ConnSynEnable	Enable connection synchronization.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	This column can only be configured when the Type is FASTHTTP (1).
StickySynEnable	Enable sticky synchronization.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
HTTPCompressionParameter	Parameter whose type is HTTP compression for the virtual server.	N/A	String, case-insensitive. Length: 1 to 63 characters.	This column can only be configured when the Type is HTTP (0)
LimitPolicy	Name of the limit policy.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
RouteAdvertisementEnable	Enable route advertisement.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A

LB/GenericVirtualServers

This table contains information about IP, TCP and UDP virtual servers.

XML structure

```

<LB>
  <GenericVirtualServers>
    <GenericVirtualServer>
      <Name></Name>
      <Type></Type>

```

```

<Description></Description>
<VRF></VRF>
<Ipv4Address></Ipv4Address>
<Ipv4PrefixLength></Ipv4PrefixLength>
<Ipv6Address></Ipv6Address>
<Ipv6PrefixLength></Ipv6PrefixLength>
<PortNumber></PortNumber>
<PortNumberList></PortNumberList>
<DefaultServerFarm></DefaultServerFarm>
<BackupServerFarm></BackupServerFarm>
<DefaultLinkGroup></DefaultLinkGroup>
<BackupLinkGroup></BackupLinkGroup>
<StickyGroup></StickyGroup>
<Policy></Policy>
<IPParameter></IPParameter>
<TCPParameter></TCPParameter>
<SSLServerPolicy></SSLServerPolicy>
<MaxConnectionLimit></MaxConnectionLimit>
<RateLimitConnection></RateLimitConnection>
<RateLimitBandwidth></RateLimitBandwidth>
<UDPPerPacket></UDPPerPacket>
<ServiceEnable></ServiceEnable>
<RateLimitInBandwidth></RateLimitInBandwidth>
<RateLimitOutBandwidth></RateLimitOutBandwidth>
<BusyProtectEnable></BusyProtectEnable>
<RSBandwidthProtectOrigin></RSBandwidthProtectOrigin>
<ConnSynEnable></ConnSynEnable>
<StickySynEnable></StickySynEnable>
<LimitPolicy></LimitPolicy>
<RouteAdvertisementEnable></RouteAdvertisementEnable>
</GenericVirtualServer>
</GenericVirtualServers>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	GenericVirtualServers
Table type	Multi-instance table
Row name	GenericVirtualServer
Restrictions	Only IP, TCP , UDP and LINK-IP virtual server can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the virtual server.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Type	Type of the virtual server.	N/A	Enumeration: <ul style="list-style-type: none"> 0—IP. 1—TCP. 2—UDP. 3—LINK-IP. 	When a virtual server is created, the column must be specified. Once created, this column cannot be changed.
Description	Description for the virtual server.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
VRF	VRF name.	N/A	String. Length: 0 to 31 characters. By default, no VRF is specified.	The null string indicates a public network.
Ipv4Address	IPv4 address.	N/A	String. Dotted decimal notation. By default, no IPv4 address is specified.	Example: 1.1.1.1. Loopback addresses, multicast addresses, broadcast addresses, and addresses such as 0.x.x.x with mask length 32 are not supported.
Ipv4PrefixLength	IPv4 mask length.	N/A	Unsigned integer. Value range: 0 to 32. By default, the value is 32.	The column cannot be configured if no IPv4 address is configured.
Ipv6Address	IPv6 address.	N/A	Hexadecimal string, colon-separated. By default, no IPv6 address is specified.	Example: 2::2. Loopback addresses, multicast addresses and link local addresses are not supported.
Ipv6PrefixLength	IPv6 prefix length.	N/A	Unsigned integer. Value range: 0 to 128. By default, the value is 128.	The column cannot be configured if no IPv6 address is configured.
PortNumber	Number of the port.	N/A	Unsigned integer. Value range: 0 to 65535. By default, the value is 0.	N/A
PortNumber List	List of port numbers	N/A	Number string. It is a comma-separated list of ports. An item can be an individual port or a port range. Use a hyphen (-) to separate	Example: 1,2,3,5-8,10-20. The item is permitted to incremental edit.

Column name	Column description	Column type	Data type and restrictions	Remarks
			the start and end port of a range. The string cannot end with a comma or hyphen, or include any whitespace characters. Value range: 0 to 65535. By default, the value is 0. Items range: 1 to 8.	
DefaultServerFarm	Name of the default server farm.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
BackupServerFarm	Name of the backup server farm.	N/A	String, case-insensitive. Length: 1 to 63 characters.	This column cannot be configured if the default server farm is not configured.
DefaultLinkGroup	Name of the default link group.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
BackupLinkGroup	Name of the backup link group.	N/A	String, case-insensitive. Length: 1 to 63 characters.	This column cannot be configured if the default link group is not configured.
StickyGroup	Name of the sticky group.	N/A	String, case-insensitive. Length: 1 to 63 characters.	This column cannot be configured if the default server farm is not configured.
Policy	Name of the policy.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
IPParameter	Parameter whose type is IP for the virtual server.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
TCPParameter	Parameter whose type is TCP for the virtual server.	N/A	String, case-insensitive. Length: 1 to 63 characters.	This column can only be configured when the Type is TCP (1).
SSLServerPolicy	Name of the SSL server policy.	N/A	String, case-insensitive. Length: 0 to 31 characters.	This column can be configured only when the Type is TCP (1).
MaxConnectionLimit	Maximum connection	N/A	Unsigned integer. Value range: 0 to	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	limit.		$2^{32}-1$. By default, the value is 0, which indicates no limit.	
RateLimitConnection	Maximum connection rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: cps. By default, the value is 0, which indicates no limit.	N/A
RateLimitBandwidth	Maximum bandwidth rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s. By default, the value is 0 KB/s, which indicates no limit.	N/A
UDPPerPacket	Enable UDP per-packet load balancing.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	This column can only be configured when the Type is UDP (2).
ServiceEnable	Enable the virtual server.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
RateLimitInBandwidth	Inbound maximum bandwidth rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: cps. By default, the value is 0, which indicates no inbound limit.	N/A
RateLimitOutBandwidth	Outbound maximum bandwidth rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: cps. By default, the value is 0, which indicates no outbound limit.	N/A
BusyProtectEnable	Enable bandwidth busy protection.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
RSBandwidthProtectOrigin	Origin of real server bandwidth statistics that are used for bandwidth	N/A	Enumeration: <ul style="list-style-type: none"> 0—Using LB bandwidth statistics (default). 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	protection.		<ul style="list-style-type: none"> 1—Using interface bandwidth statistics. 	
ConnSynEnable	Enable connection synchronization.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
StickySynEnable	Enable sticky synchronization.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
LimitPolicy	Name of the limit policy.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
RouteAdvertisementEnable	Enable route advertisement.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A

LB/RADIUSVirtualServers

This table contains information about RADIUS virtual servers.

XML structure

```

<LB>
  <RADIUSVirtualServers>
    <RADIUSVirtualServer>
      <Name></Name>
      <Description></Description>
      <VRF></VRF>
      <Ipv4Address></Ipv4Address>
      <Ipv6Address></Ipv6Address>
      <PortNumberList></PortNumberList>
      <DefaultServerFarm></DefaultServerFarm>
      <BackupServerFarm></BackupServerFarm>
      <StickyGroup></StickyGroup>
      <Policy></Policy>
      <IPParameter></IPParameter>
      <MaxConnectionLimit></MaxConnectionLimit>
      <RateLimitConnection></RateLimitConnection>
      <RateLimitBandwidth></RateLimitBandwidth>
      <UDPPerPacket></UDPPerPacket>
      <ServiceEnable></ServiceEnable>
      <RateLimitInBandwidth></RateLimitInBandwidth>

```

```

<RateLimitOutBandwidth></RateLimitOutBandwidth>
<BusyProtectEnable></BusyProtectEnable>
<RSBandwidthProtectOrigin></RSBandwidthProtectOrigin>
<ConnSynEnable></ConnSynEnable>
<StickySynEnable></StickySynEnable>
<LimitPolicy></LimitPolicy>
<RouteAdvertisementEnable></RouteAdvertisementEnable>
</RADIUSVirtualServer>
</RADIUSVirtualServers>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	RADIUSVirtualServers
Table type	Multi-instance table
Row name	RADIUSVirtualServer
Restrictions	Only RADIUS virtual server can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the virtual server.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description for the virtual server.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
VRF	VRF name.	N/A	String. Length: 0 to 31 characters. By default, no VRF is specified.	The null string indicates a public network.
Ipv4Address	IPv4 address.	N/A	String. Dotted decimal notation. By default, no IPv4 address is specified.	Example: 1.1.1.1. Loopback addresses, multicast addresses, broadcast addresses, and addresses such as 0.x.x.x with mask length 32 are not supported.
Ipv6Address	IPv6 address.	N/A	Hexadecimal string, colon-separated. By default, no IPv6 address is specified.	Example: 2::2. Loopback addresses, multicast addresses and link local addresses are not supported.

Column name	Column description	Column type	Data type and restrictions	Remarks
PortNumberList	List of port numbers	N/A	<p>Number string.</p> <p>It is a comma-separated list of ports. An item can be an individual port or a port range. Use a hyphen (-) to separate the start and end port of a range.</p> <p>The string cannot end with a comma or hyphen, or include any whitespace characters.</p> <p>Value range: 0 to 65535.</p> <p>By default, the value is 0.</p> <p>Items range: 1 to 8.</p>	<p>Example: 1,2,3,5-8,10-20.</p> <p>The item is permitted to incremental edit.</p>
DefaultServerFarm	Name of the default server farm.	N/A	<p>String, case-insensitive.</p> <p>Length: 1 to 63 characters.</p>	N/A
BackupServerFarm	Name of the backup server farm.	N/A	<p>String, case-insensitive.</p> <p>Length: 1 to 63 characters.</p>	This column cannot be configured if the default server farm is not configured.
StickyGroup	Name of the sticky group.	N/A	<p>String, case-insensitive.</p> <p>Length: 1 to 63 characters.</p>	This column cannot be configured if the default server farm is not configured.
Policy	Name of the policy.	N/A	<p>String, case-insensitive.</p> <p>Length: 1 to 63 characters.</p>	N/A
IPParameter	Parameter whose type is IP for the virtual server.	N/A	<p>String, case-insensitive.</p> <p>Length: 1 to 63 characters.</p>	N/A
MaxConnectionLimit	Maximum connection limit.	N/A	<p>Unsigned integer.</p> <p>Value range: 0 to $2^{32}-1$.</p> <p>By default, the value is 0, which indicates no limit.</p>	N/A
RateLimitConnection	Maximum connection rate limit.	N/A	<p>Unsigned integer.</p> <p>Value range: 0 to $2^{32}-1$.</p> <p>Unit: cps.</p> <p>By default, the value is 0, which indicates</p>	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			no limit.	
RateLimitBandwidth	Maximum bandwidth rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s. By default, the value is 0 KB/s, which indicates no limit.	N/A
UDPPerPacket	Enable UDP per-packet load balancing.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	This column can only be configured when the Type is UDP (2).
ServiceEnable	Enable the virtual server.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
RateLimitInBandwidth	Inbound maximum bandwidth rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: cps. By default, the value is 0, which indicates no inbound limit.	N/A
RateLimitOutBandwidth	Outbound maximum bandwidth rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: cps. By default, the value is 0, which indicates no outbound limit.	N/A
BusyProtectEnable	Enable bandwidth busy protection.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
RSBandwidthProtectOrigin	Origin of real server bandwidth statistics that are used for bandwidth protection.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Using LB bandwidth statistics (default). 1—Using interface bandwidth statistics. 	N/A
ConnSynEnable	Enable connection synchronization.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
StickySynEnable	Enable sticky synchronization	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	n.		(default). • 1—Enable.	
LimitPolicy	Name of the limit policy.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
RouteAdvertisementEnable	Enable route advertisement.	N/A	Enumeration: • 0—Disable (default). • 1—Enable.	N/A

LB/SIPVirtualServers

This table contains information about SIPUDP and SIPTCP virtual servers.

XML structure

```

<LB>
  <SIPVirtualServers>
    <SIPVirtualServer>
      <Name></Name>
      <Type></Type>
      <Description></Description>
      <VRF></VRF>
      <Ipv4Address></Ipv4Address>
      <Ipv6Address></Ipv6Address>
      <PortNumber></PortNumber>
      <DefaultServerFarm></DefaultServerFarm>
      <BackupServerFarm></BackupServerFarm>
      <StickyGroup></StickyGroup>
      <Policy></Policy>
      <IPParameter></IPParameter>
      <MaxConnectionLimit></MaxConnectionLimit>
      <RateLimitConnection></RateLimitConnection>
      <RateLimitBandwidth></RateLimitBandwidth>
      <UDPPerPacket></UDPPerPacket>
      <ServiceEnable></ServiceEnable>
      <RateLimitInBandwidth></RateLimitInBandwidth>
      <RateLimitOutBandwidth></RateLimitOutBandwidth>
      <BusyProtectEnable></BusyProtectEnable>
      <RSBandwidthProtectOrigin></RSBandwidthProtectOrigin>
      <ConnSynEnable></ConnSynEnable>
      <StickySynEnable></StickySynEnable>
      <LimitPolicy></LimitPolicy>
      <RouteAdvertisementEnable></RouteAdvertisementEnable>
    </SIPVirtualServer>
  </SIPVirtualServers>

```

```
</SIPVirtualServers>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	SIPVirtualServers
Table type	Multi-instance table
Row name	SIPVirtualServer
Restrictions	Only SIP-UDP and SIP-TCP virtual server can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the virtual server.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Type	Type of the virtual server.	N/A	Enumeration: <ul style="list-style-type: none"> 0—SIP-UDP 1—SIP-TCP 	When a virtual server is created, the column must be specified. Once created, this column cannot be changed.
Description	Description for the virtual server.	N/A	String. Length: 1 to 127 characters.	The null string indicates the label is not configured.
VRF	VRF name.	N/A	String. Length: 1 to 31 characters. By default, no VRF is specified.	The null string indicates a public network.
Ipv4Address	IPv4 address.	N/A	String. Dotted decimal notation. By default, no IPv4 address is specified.	Example: 1.1.1.1. Loopback addresses, multicast addresses, broadcast addresses, and addresses such as 0.x.x.x with mask length 32 are not supported.
Ipv6Address	IPv6 address.	N/A	Hexadecimal string, colon-separated. By default, no IPv6 address is specified.	Example: 2::2. Loopback addresses, multicast addresses and link local addresses are not supported.
PortNumber	Number of the port.	N/A	Unsigned integer. Value range: 0 to 65535. By default, the value	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			is 5060.	
DefaultServerFarm	Name of the default server farm.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
BackupServerFarm	Name of the backup server farm.	N/A	String, case-insensitive. Length: 1 to 63 characters.	This column cannot be configured if the default server farm is not configured.
StickyGroup	Name of the sticky group.	N/A	String, case-insensitive. Length: 1 to 63 characters.	This column cannot be configured if the default server farm is not configured.
Policy	Name of the policy.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
IPParameter	Parameter whose type is IP for the virtual server.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
MaxConnectionLimit	Maximum connection limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. By default, the value is 0, which indicates no limit.	N/A
RateLimitConnection	Maximum connection rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: cps. By default, the value is 0, which indicates no limit.	N/A
RateLimitBandwidth	Maximum bandwidth rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s. By default, the value is 0 KB/s, which indicates no limit.	N/A
UDPPerPacket	Enable the UDP per-packet load balancing.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	This column can only be configured when the Type is UDP (2).
ServiceEnable	Enable the virtual server.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 1—Enable. 	
RateLimitInBandwidth	Inbound maximum bandwidth rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: cps. By default, the value is 0, which indicates no inbound limit.	N/A
RateLimitOutBandwidth	Outbound maximum bandwidth rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: cps. By default, the value is 0, which indicates no outbound limit.	N/A
BusyProtectEnable	Enable bandwidth busy protection.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
RSBandwidthProtectOrigin	Origin of real server bandwidth statistics which is used for bandwidth protection.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Using LB bandwidth statistics (default). 1—Using interface bandwidth statistics. 	N/A
ConnSyncEnable	Enable the connection synchronization.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
StickySyncEnable	Enable the sticky synchronization.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
LimitPolicy	Name of the limit policy.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
RouteAdvertisementEnable	Enable route advertisement.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A

LB/RealServers

This table contains information about real server.

XML structure

```

<LB>
  <RealServers>
    <RealServer>
      <Name></Name>
      <Description></Description>
      <Ipv4Address></Ipv4Address>
      <Ipv6Address></Ipv6Address>
      <PortNumber></PortNumber>
      <Weight></Weight>
      <Priority></Priority>
      <ServerFarm></ServerFarm>
      <Shutdown></Shutdown>
      <MaxConnectionLimit></MaxConnectionLimit>
      <RateLimitConnection></RateLimitConnection>
      <RateLimitHTTPRequest></RateLimitHTTPRequest>
      <RateLimitBandwidth></RateLimitBandwidth>
      <ProbeSuccessCriteria></ProbeSuccessCriteria>
      <RateLimitInBandwidth></RateLimitInBandwidth>
      <RateLimitOutBandwidth></RateLimitOutBandwidth>
      <InBandwidthBusyRatio></InBandwidthBusyRatio>
      <OutBandwidthBusyRatio></OutBandwidthBusyRatio>
      <BandwidthBusyRatio></BandwidthBusyRatio>
      <InBandwidthBusyRecoverRatio></InBandwidthBusyRecoverRatio>
      <OutBandwidthBusyRecoverRatio></OutBandwidthBusyRecoverRatio>
      <BandwidthBusyRecoverRatio></BandwidthBusyRecoverRatio>
      <Cost></Cost>
      <MaxBandwidth></MaxBandwidth>
      <InMaxBandwidth></InMaxBandwidth>
      <OutMaxBandwidth></OutMaxBandwidth>
      <VRF></VRF>
      <InheritVPN></InheritVPN>
    </RealServer>
  </RealServers>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	RealServers
Table type	Multi-instance table
Row name	RealServer
Restrictions	Only Real server can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the real server.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the real server.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
Ipv4Address	IPv4 address.	N/A	String. Dotted decimal notation. By default, no Ipv4Address is specified.	Example: 1.1.1.1. Loopback addresses, multicast addresses, broadcast addresses are not supported, and address such as 0.x.x.x are not supported either.
Ipv6Address	IPv6 address.	N/A	Hexadecimal string, colon-separated. By default, no Ipv6Address is specified.	Example: 2::2. Loopback address, multicast address, link local address and 0::0 address are not supported.
PortNumber	Number of port.	N/A	Unsigned integer. Value range: 0 to 65535. By default, the value is 0.	N/A
Weight	Weight of the real server.	N/A	Unsigned integer. Value range: 1 to 255. By default, the value is 100.	A larger value means a higher weight.
Priority	Priority of the real server.	N/A	Unsigned integer. Value range: 1 to 8. By default, the value is 4.	A larger value means a higher priority.
ServerFarm	Name of the server farm.	N/A	String, case-insensitive. Length: 1 to 63 characters. By default, no server farm is specified.	N/A
Shutdown	Shutdown state for the real server.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Not configured (default). 1—Shutdown. 2—Slow-shutdown. 	N/A
MaxConnect	Maximum	N/A	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
ionLimit	connections limit number.		Value range: 0 to $2^{32}-1$. By default, the value is 0 which indicates no preset limit.	
RateLimitConnection	Maximum connections rate limit number.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: cps. By default, the value is 0 which indicates no preset limit.	N/A
RateLimitHTTPRequest	Maximum HTTP request rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: qps. By default, the value is 0, which indicates the rate is not limit.	N/A
RateLimitBandwidth	Maximum bandwidth rate limit number.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s. By default, the value is 0 KB/s which indicates no preset limit.	N/A
ProbeSuccessCriteria	Probe success criteria for the real server.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. By default, the value is 0 which indicates that probe success criteria is all.	N/A
RateLimitInBandwidth	Inbound maximum bandwidth rate limit number.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s. By default, the value is 0 KB/s which indicate no preset inbound limit.	N/A
RateLimitOutBandwidth	Outbound maximum bandwidth rate limit number.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s. By default, the value is 0 KB/s which indicate no preset outbound limit.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
InBandwidthBusyRatio	Inbound bandwidth busy ratio.	N/A	Unsigned integer. Value range: 1 to 100. By default, the value is 70.	N/A
OutBandwidthBusyRatio	Outbound bandwidth busy ratio.	N/A	Unsigned integer. Value range: 1 to 100. By default, the value is 70.	N/A
BandwidthBusyRatio	Total bandwidth busy ratio.	N/A	Unsigned integer. Value range: 1 to 100. By default, the value is 70.	N/A
InBandwidthBusyRecoverRatio	Inbound bandwidth busy recovery ratio.	N/A	Unsigned integer. Value range: 1 to 100. By default, the value is 60. The busy rate must be greater than or equal to the recovery rate.	N/A
OutBandwidthBusyRecoverRatio	Outbound bandwidth busy recovery ratio.	N/A	Unsigned integer. Value range: 1 to 100. By default, the value is 60. The busy rate must be greater than or equal to the recovery rate.	N/A
BandwidthBusyRecoverRatio	Total bandwidth busy recovery ratio.	N/A	Unsigned integer. Value range: 1 to 100. By default, the value is 60. The busy rate must be greater than or equal to the recovery rate.	N/A
Cost	The cost of link bandwidth.	NA	Unsigned integer. Value range: 0 to 10240. By default, the value is 0 which indicates that cost factor can be ignore when calculate proximities.	N/A
MaxBandwidth	Max bandwidth.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
InMaxBand	Max inbound	N/A	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
width	bandwidth.		Value range: 0 to $2^{32}-1$. Unit: KB/s.	
OutMaxBandwidth	Max outbound bandwidth.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
VRF	VRF name	N/A	String, case-insensitive. Length: 0 to 31 characters.	N/A
InheritVPN	Inherit the VPN of virtual server	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable inherit the VPN (default). 1—Enable inherit the VPN. 	N/A

LB/RealServerProbes

This table contains information about Real Server Probe that only uses NQA template.

XML structure

```

<LB>
  <RealServerProbes>
    <RealServerProbe>
      <RealServer></RealServer>
      <Probe></Probe>
    </RealServerProbe>
  </RealServerProbes>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	RealServerProbes
Table type	Multi-instance table
Row name	RealServerProbe
Restrictions	Only Real server probe can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RealServer	Name of the real server.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Probe	Probe method for the real server.	Index	String, case-insensitive. Length: 1 to 32 characters.	N/A

LB/ServerFarms

This table contains information about server farm.

XML structure

```
<LB>
  <ServerFarms>
    <ServerFarm>
      <Name></Name>
      <Description></Description>
      <Predictor></Predictor>
      <HashIpv4PrefixLength></HashIpv4PrefixLength>
      <HashIpv6PrefixLength></HashIpv6PrefixLength>
      <SelectServerMinNumber></SelectServerMinNumber>
      <SelectServerMaxNumber></SelectServerMaxNumber>
      <SlowOnlineEnable></SlowOnlineEnable>
      <SlowOnlineStandbyTime></SlowOnlineStandbyTime>
      <SlowOnlineRampUpTime></SlowOnlineRampUpTime>
      <Transparent></Transparent>
      <ActivateLower></ActivateLower>
      <ActivateUpper></ActivateUpper>
      <SNATPool></SNATPool>
      <FailAction></FailAction>
      <ProbeSuccessCriteria></ProbeSuccessCriteria>
      <ProximityEnable></ProximityEnable>
      <BusyAction></BusyAction>
      <QueueLength></QueueLength>
      <QueueTimeout></QueueTimeout>
      <Offset></Offset>
      <Length></Length>
      <Start></Start>
      <End></End>
    </ServerFarm>
  </ServerFarms>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	ServerFarms
Table type	Multi-instance table
Row name	ServerFarm
Restrictions	Only server farm can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the server farm.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the server farm.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
Predictor	Predictor algorithm for LB to select a real server to serve a client request.	N/A	Enumeration: <ul style="list-style-type: none"> • 0—Round-robin (default). • 1—Random. • 2—Least-connection. • 3—Hash source address. • 4—Hash source port. • 5—Hash destination address. • 6—Bandwidth. • 7—Inbound bandwidth. • 8—Outbound bandwidth. • 9—Max bandwidth. • 10—Max inbound bandwidth. • 11—Max outbound bandwidth. • 12—Dynamic round-robin. • 13—Least time. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 14—Hash HTTP. 15—CARP HTTP. 16—CARP source address. 17—CARP source port. 18—CARP destination address. 	
HashIpv4PrefixLength	Length of IPv4 address mask for hash or CARP algorithm.	N/A	Unsigned integer. Value range: 0 to 32. By default, the value is 32.	The column can only be configured when the Predictor is hash or CARP source address (3/16), hash source port (4/17) and hash destination address (5/18).
HashIpv6PrefixLength	Length of IPv6 address prefix for hash or CARP algorithm.	N/A	Unsigned integer. Value range: 0 to 128. By default, the value is 128.	The column can only be configured when the Predictor hash or CARP source address (3/16), hash source port (4/17) and hash destination address (5/18).
SelectServerMinNumber	Minimum number of the active real server in the server farm.	N/A	Unsigned integer. Value range: 1 to 1000. By default, the column is not configured which indicates only the real server of highest priority can be dispatched.	If one of SelectServerMinNumber and SelectServerMaxNumber is not configured, the other cannot be configured. The value of SelectServerMaxNumber must be greater or equal than SelectServerMinNumber.
SelectServerMaxNumber	Maximum number of the active real server in the server farm.	N/A	Unsigned integer. Value range: 1 to 1000. By default, the column is not configured.	If one of SelectServerMinNumber and SelectServerMaxNumber is not configured, the other cannot be configured. The value of SelectServerMaxNumber must be greater or equal than SelectServerMinNumber.
SlowOnlineEnable	Enable the server farm slow online.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	If the column is 0, SlowOnlineStandbyTime and SlowOnlineRampUpTime cannot be configured without default value.
SlowOnlineStandbyTime	Standby time of the slow online.	N/A	Unsigned integer. Value range: 0 to 600. Unit: second. By default, the value is 5.	N/A
SlowOnlineRampUpTime	Ramp up time of the slow online.	N/A	Unsigned integer. Value range: 3 to 600. Unit: second. By default, the value is 5.	N/A
Transparent	Disable NAT for the server	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	farm.		(default). • 1—Enable.	
ActivateLower	The status of main server farm will be changed from in use to backup when the ratio of the available real servers in main server farm becomes smaller than this value.	N/A	Unsigned integer. Value range: 1 to 99. By default, the column is not configured which indicates if one real server is active, the server farm is active.	If one of ActivateLower and ActivateUpper is not configured, the other cannot be configured. The value of ActivateUpper must be greater or equal than ActivateLower.
ActivateUpper	The status of main server farm will be changed from backup to in use when the ratio of the available real servers in main server farm reaches or over this value.		Unsigned integer. Value range: 1 to 99. By default, the column is not configured.	If one of ActivateLower and ActivateUpper is not configured, the other cannot be configured. The value of ActivateUpper must be greater or equal than ActivateLower.
SNATPool	SNAT pool for the server farm.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
FailAction	Specify the action that the LB takes with respect to connections if any real server fails in a server farm.	N/A	Enumeration: • 0—Keep (default). • 1—Reset. • 2—Reschedule.	N/A
ProbeSuccessCriteria	The condition that real server is available through probes.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. By default, the value is 0.	By default, indicates that when real server is available, all results of probes must be success.
ProximityEnable	Enable the proximity.	N/A	Enumeration: • 0—disable (default). • 1—enable.	N/A
BusyAction	Busy protection policies for server nodes	N/A	Enumeration: • 0—Drop(default). • 1—Enqueue. • 2—Force.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
QueueLength	Queue length for aging	N/A	Unsigned integer. Value range: 1 to 100000. By default, the column is not configured.	The column can only be configured when the BusyAction enqueue (1).
QueueTimeout	Node aging time	N/A	Unsigned integer. Value range: 0 to 60. Unit: second. By default, the column is not configured.	The column can only be configured when the BusyAction enqueue (1).
Offset	Offset to the first byte of the payload.	N/A	Unsigned integer. Value range: 0 to 1000. By default, 0 is configured.	The column can only be configured when the Predictor hash source address (14/15).
Length	Length of the payload portion.	N/A	Unsigned integer. Value range: 0 to 1000. By default, 0 is configured.	The column can only be configured when the Predictor hash source address (14/15).If one of Length and End is not configured, the other cannot be configured.
Start	Beginning pattern for CARP.	N/A	String. Length: 0 to 127 characters.	The column can only be configured when the Predictor hash source address (14/15).The null string indicates the label is not configured.
End	Ending pattern for CARP.	N/A	String. Length: 0 to 127 characters.	The column can only be configured when the Predictor hash source address (14/15).The null string indicates the label is not configured.

LB/ServerFarmProbes

This table contains information about Server Farm Probe that only uses NQA template.

XML structure

```

<LB>
  <ServerFarmProbes>
    <ServerFarmProbe>
      <ServerFarm></ServerFarm>
      <Probe></Probe>
    </ServerFarmProbe>
  </ServerFarmProbes>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	ServerFarmProbes
Table type	Multi-instance table
Row name	ServerFarmProbe
Restrictions	Only server farm probe can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ServerFarm	Name of the server farm.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Probe	Probe method for the server farm.	Index	String, case-insensitive. Length: 1 to 32 characters.	N/A

LB/SNAT Pools

This table contains information about SNAT pool.

XML structure

```
<LB>
  <SNATPools>
    <SNATPool>
      <Name></Name>
      <Description></Description>
      <Ipv4AddressStart></Ipv4AddressStart>
      <Ipv4AddressEnd></Ipv4AddressEnd>
      <Ipv6AddressStart></Ipv6AddressStart>
      <Ipv6AddressEnd></Ipv6AddressEnd>
    </SNATPool>
  </SNATPools>
</LB>
```

Table description

Item	Description
Feature name	LB

Table name	SNATPools
Table type	Multi-instance table
Row name	SNATPool
Restrictions	Only SNAT pool can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the SNAT Pool.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the SNAT Pool.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
Ipv4AddressStart	Start IPv4 address of the SNAT pool.	N/A	String. Dotted decimal notation. By default, no IPv4 addressStart is specified.	Example: 1.1.1.1. Loopback addresses, multicast addresses, broadcast addresses are not supported, and addresses such as 0.x.x.x are not supported either. If one of Ipv4AddressStart and Ipv4AddressEnd is not configured, the other cannot be configured.
Ipv4AddressEnd	End IPv4 address of the SNAT pool.	N/A	String. Dotted decimal notation. By default, no IPv4 addressEnd is specified.	Example: 1.1.1.1. Loopback addresses, multicast addresses, broadcast addresses are not supported, and addresses such as 0.x.x.x are not supported either. If one of Ipv4AddressStart and Ipv4AddressEnd is not configured, the other cannot be configured. Number of addresses in the SNAT pool cannot exceed the limit 255.
Ipv6AddressStart	Start IPv6 address of the SNAT pool.	N/A	Hexadecimal string, colon-separated. By default, no IPv6 addressStart is specified.	Example: 2::2. Loopback address, multicast address, link local address and 0::0 address are not supported. If one of Ipv6AddressStart and Ipv6AddressEnd is not configured, the other cannot be configured.
Ipv6AddressEnd	End IPv6 address of the SNAT pool.	N/A	Hexadecimal string, colon-separated. By default, no IPv6 addressEnd is specified.	Example: 2::2. Loopback address, multicast address, link local address and 0::0 address are not supported. If one of Ipv6AddressStart and Ipv6AddressEnd is not configured, the other cannot be configured. Number of addresses in the SNAT pool cannot exceed the limit 65535.

LB/IPParameters

This table contains information about IP parameter profile.

XML structure

```
<LB>
  <IPParameters>
    <IPParameter>
      <Name></Name>
      <Description></Description>
      <IPToS></IPToS>
    </IPParameter>
  </IPParameters>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	IPParameters
Table type	Multi-instance table
Row name	IPParameter
Restrictions	Only IP parameter profile can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the parameter profile.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the parameter profile.	N/A	String. Length: 0 to 127 characters.	N/A
IPToS	ToS number of the IP packet sent to client.	N/A	Unsigned integer. Value range: 0 to 255. By default, no IPToS is specified.	N/A

LB/TCPParameters

This table contains information about TCP parameter profile.

XML structure

```
<LB>
  <TCPParameters>
    <TCPParameter>
      <Name></Name>
      <Description></Description>
      <ExceedMSS></ExceedMSS>
      <WindowSize></WindowSize>
      <TimeWaitTime></TimeWaitTime>
      <IdleTimeout></IdleTimeout>
      <MSS></MSS>
    </TCPParameter>
  </TCPParameters>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	TCPParameters
Table type	Multi-instance table
Row name	TCPParameter
Restrictions	Only TCP parameter profile can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the parameter profile.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the parameter profile.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
ExceedMSS	Processing method when segments exceed the maximum segment size	N/A	Enumeration: <ul style="list-style-type: none">0—Permit (default).1—Drop.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	of TCP segment.			
WindowSize	Starting value of the receive window size.	N/A	Unsigned integer. Value range: 8192 to 65535. By default, 65535 is configured.	N/A
TimeWaitTime	The time of TCP time-wait	N/A	Unsigned integer. Value range: 1 to 65535. Unit: second. By default, 3 is configured.	N/A
IdleTimeout	Timeout time of idle connections.	N/A	Unsigned integer. Value range: 10 to 86400. Unit: second.	The 0 indicates the label is not configured.
MSS	Maximum segment size of TCP segments.	N/A	Unsigned integer. Value range: 128 to 1460.	The 0 indicates the label is not configured.

LB/HTTPParameters

This table contains information about HTTP parameter profile.

XML structure

```

<LB>
  <HTTPParameters>
    <HTTPParameter>
      <Name></Name>
      <Description></Description>
      <RebalancePerRequest></RebalancePerRequest>
      <ServerConnectionReuse></ServerConnectionReuse>
      <CaseInsensitive></CaseInsensitive>
      <HeaderModifyPerRequest></HeaderModifyPerRequest>
      <HeaderMaxParseLength></HeaderMaxParseLength>
      <ContentMaxParseLength></ContentMaxParseLength>
      <SecondaryCookieDelimiters></SecondaryCookieDelimiters>
      <SecondaryCookieStart></SecondaryCookieStart>
      <ExceedLength></ExceedLength>
    </HTTPParameter>
  </HTTPParameters>
</LB>

```


Table description

Item	Description
Feature name	LB
Table name	HTTPParameters
Table type	Multi-instance table
Row name	HTTPParameter
Restrictions	Only HTTP parameter profile can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the parameter profile.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the parameter profile.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
RebalancePerRequest	Enable implement load balancing for each HTTP request.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
ServerConnectionReuse	Enable connections to persist and be reused by multiple client connections.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
CaseInsensitive	Disable case-sensitivity matching for HTTP.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
HeaderModifyPerRequest	Enable modify the HTTP header of every HTTP request or response.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
HeaderMaxParseLength	Maximum number of bytes to parse for cookies, HTTP headers, and URL.	N/A	Unsigned integer. Value range: 1 to 65535. By default, 4096 is configured.	N/A
ContentMaxP	Maximum number of	N/A	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
arseLength	bytes to parse for HTTP content.		Value range: 1 to 65535. By default, the value is 4096.	
SecondaryCookieDelimiters	The delimiters used to separate secondary cookies.	N/A	String. Length: 1 to 4 characters. By default: the value is /&+.	Delimiter characters are defined to be one of the following: "! " "" "# " ; " "< " "> " "?" " [" " \" "]" " ^ " \" " . " @ " "&" "\$ " + " * " "" " (")" " , " "/" can be used for secondary cookies delimiters. And < should be transferred meaning by <; > should be transferred meaning by >; ' should be transferred meaning by '; " should be transferred meaning by ".
SecondaryCookieStart	Starting character of secondary cookies.	N/A	String. Length: 1 to 2 characters. By default, the value is ?.	Delimiter characters are defined to be one of the following: "! " "" "# " ; " "< " "> " "?" " " [" \" "]" " ^ " \" " . " @ " "&" can be used for secondary cookies delimiters. And < should be transferred meaning by <; > should be transferred meaning by >; ' should be transferred meaning by '; " should be transferred meaning by ".
ExceedLength	Processing method for HTTP requests or responses that exceed the maximum parse length.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Keep (default). 1—Drop. 	N/A

LB/HTTPCompressionParameters

This table contains information about HTTP compression parameter profile.

XML structure

```

<LB>
  <HTTPCompressionParameters>
    <HTTPCompressionParameter>
      <Name></Name>

```

```

<Level></Level>
<Description></Description>
<PreferMethod></PreferMethod>
<ContentLengthThreshold></ContentLengthThreshold>
<InsertVary></InsertVary>
<RequestVersion></RequestVersion>
<DeleteAcceptEncoding></DeleteAcceptEncoding>
<MemorySize></MemorySize>
<WindowSize></WindowSize>
</HTTPCompressionParameter>
</HTTPCompressionParameters>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	HTTPCompressionParameters
Table type	Multi-instance table
Row name	HTTPCompressionParameter
Restrictions	Only HTTP compression parameter profile can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the parameter profile.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the parameter profile.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
Level	Level of compress packet.	N/A	Unsigned integer: Value range: 1 to 9 By default, 1 is configured.	N/A
PreferMethod	Prefer method of compression	N/A	Enumeration: <ul style="list-style-type: none"> 1—Gzip (default). 2—Deflate. 	N/A
ContentLengthThreshold	Minimum number of bytes to compress the response packet.	N/A	Unsigned integer. Value range: 1 to $2^{32}-1$. By default, 1024 is configured.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
InsertVary	Enable insert vary header in HTTP response packet.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable(default). 	N/A
RequestVersion	Enable compress the HTTP response of version 1.0.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
DeleteAcceptEncoding	Enable delete accept-encoding header in HTTP request packet.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable(default). 	N/A
MemorySize	Memory size of compression.	N/A	Enumeration: <ul style="list-style-type: none"> 1—1KB. 2—2KB. 4—4KB. 8—8KB(default). 16—16KB. 32—32KB. 64—64KB. 	N/A
WindowSize	Window size of compression.	N/A	Enumeration: <ul style="list-style-type: none"> 1—1KB. 2—2KB. 4—4KB. 8—8KB. 16—16KB(default). 32—32KB. 	N/A

LB/OneConnectParameters

This table contains information about the OneConnect parameter profile.

XML structure

```

<LB>
  <OneConnectParameters>
    <OneConnectParameter>
      <Name></Name>
      <Description></Description>
      <MaxReuse></MaxReuse>
      <IdleTime></IdleTime>
      <MaskType></MaskType>
      <SourceMask></SourceMask>
    </OneConnectParameter>
  </OneConnectParameters>

```

</LB>

Table description

Item	Description
Feature name	LB
Table name	OneConnectParameters
Table type	Multi-instance table
Row name	OneConnectParameter
Restrictions	Only OneConnect parameter profile can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the parameter profile.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the parameter profile.	N/A	String. Length: 0 to 127 characters.	N/A
MaxReuse	Maximum reuse number	N/A	Unsigned integer. Value range: 1 to 4294967295. By default, the number is 1000.	N/A
IdleTime	Idle connection expiration time	N/A	Unsigned integer. Value range: 1 to 4294967295. By default, the time length is 86400.	N/A
MaskType	Type of source mask	N/A	Enumeration: <ul style="list-style-type: none">0—IPv41—IPv6	N/A
SourceMask	Source mask to determine its eligibility for reuse.	N/A	Unsigned integer. IPv4 Value range: 0 to 32. IPv6 Value range: 0 to 128. By default, the value is 0.	N/A

LB/HTTPCompressionParameterRules

This table contains information about HTTP compression parameter rule.

XML structure

```
<LB>
  <HTTPCompressionParameterRules>
    <HTTPCompressionParameterRule>
      <Name></Name>
      <ID></ID>
      <Type></Type>
      <FilterType></FilterType>
      <Expression></Expression>
    </HTTPCompressionParameterRule>
  </HTTPCompressionParameterRules>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	HTTPCompressionParameterRules
Table type	Multi-instance table
Row name	HTTPCompressionParameterRule
Restrictions	Only HTTP compression parameter rule can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the parameter.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
ID	ID of the match rule.	Index	Unsigned integer. Value range:1 to 65535.	N/A
Type	Type of the rule.	N/A	Enumeration: <ul style="list-style-type: none">0—Permit.1—Deny.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
FilterType	Filter type of the rule.	N/A	Enumeration: <ul style="list-style-type: none"> 0—URL. 1—Content. 	N/A.
Expression	Regular expression matched the filter type.	N/A	String. Length: 0 to 255 characters.	N/A

LB/AddressPortStickyGroups

This table contains information about address-port sticky groups.

XML structure

```

<LB>
  <AddressPortStickyGroups>
    <AddressPortStickyGroup>
      <Name></Name>
      <Description></Description>
      <Timeout></Timeout>
      <Ipv4MethodType></Ipv4MethodType>
      <Ipv4PrefixLength></Ipv4PrefixLength>
      <Ipv6MethodType></Ipv6MethodType>
      <Ipv6PrefixLength></Ipv6PrefixLength>
      <OverrideLimit></OverrideLimit>
      <PriorBusyEnable></PriorBusyEnable>
    </AddressPortStickyGroup>
  </AddressPortStickyGroups>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	AddressPortStickyGroups
Table type	Multi-instance table
Row name	AddressPortStickyGroup
Restrictions	Only address-port sticky groups can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the sticky group.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the sticky group.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
Timeout	Timeout time of the sticky group.	N/A	Unsigned integer. Value range: 10 to 604800. Unit: second. By default, the value is 60s .	N/A
Ipv4MethodType	IPv4 sticky method of the address-port sticky group.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None (default). 1—Source IP stickiness. 2—Source IP port stickiness. 3—Destination IP stickiness. 4—Destination IP port stickiness. 5—Source IP and destination IP stickiness. 6—Source IP port and destination IP port stickiness. 	N/A
Ipv4PrefixLength	IPv4 mask for IPv4 sticky method.	N/A	Unsigned integer. Value range: 0 to 32.	The column can only be configured when Ipv4MethodType is not none (0).
Ipv6MethodType	IPv6 sticky method of the address-port sticky group.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None (default). 1—Source IPv6 stickiness. 2—Source IPv6 port stickiness. 3—Destination IPv6 stickiness. 4—Destination IPv6 port stickiness. 5—Source IPv6 and destination IPv6 stickiness. 6—Source IPv6 port and destination IPv6 port stickiness. 	N/A
Ipv6PrefixLength	IPv6 prefix for IPv6 sticky method.	N/A	Unsigned integer. Value range: 0 to 128.	The column can only be configured when Ipv6MethodType is not none (0).

Column name	Column description	Column type	Data type and restrictions	Remarks
OverrideLimit	Ignore the limits for sessions that match sticky entries.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable(default). 1—Enable. 	N/A
PriorBusyEnable	Prior to busy action	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable(default). 1—Enable. 	N/A

LB/RADIUSStickyGroups

This table contains information about RADIUS sticky groups.

XML structure

```

<LB>
  <RADIUSStickyGroups>
    <RADIUSStickyGroup>
      <Name></Name>
      <Description></Description>
      <Timeout></Timeout>
      <AttributeCode></AttributeCode>
      <OverrideLimit></OverrideLimit>
    </RADIUSStickyGroup>
  </RADIUSStickyGroups>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	RADIUSStickyGroups
Table type	Multi-instance table
Row name	RADIUSStickyGroup
Restrictions	Only RADIUS sticky groups can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the	Index	String, case-insensitive.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	sticky group.		Length: 1 to 63 characters.	
Description	Description of the sticky group.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
Timeout	Timeout time of the sticky group.	N/A	Unsigned integer. Value range: 10 to 604800. Unit: second. By default, the value is 60s .	N/A
AttributeCode	Code of attribute	N/A	Unsigned integer. Value range: 1 to 255.	N/A
OverrideLimit	Ignore the limits for sessions that match sticky entries.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable(default). 1—Enable. 	N/A

LB/PayloadStickyGroups

This table contains information about payload sticky groups.

XML structure

```

<LB>
  <PayloadStickyGroups>
    <PayloadStickyGroup>
      <Name></Name>
      <Description></Description>
      <Type></Type>
      <Timeout></Timeout>
      <Offset></Offset>
      <Length></Length>
      <Start></Start>
      <End></End>
      <OverrideLimit></OverrideLimit>
      <PriorBusyEnable></PriorBusyEnable>
    </PayloadStickyGroup>
  </PayloadStickyGroups>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	PayloadStickyGroups

Table type	Multi-instance table
Row name	PayloadStickyGroup
Restrictions	Only HTTP payload sticky groups can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the sticky group.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description information for the sticky group.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
Type	Sticky method of the payload sticky group.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None (default). 1—Payload stickiness. 	Only when the type is payload stickiness (1), configurations of offset, length, start and end can be configured.
Timeout	Timeout time of the sticky group.	N/A	Unsigned integer. Value range: 10 to 604800. Unit: second. By default, 60s is configured.	N/A
Offset	Offset to the first byte of the payload.	N/A	Unsigned integer. Value range: 0 to 1000. By default, 0 is configured.	N/A
Length	Length of the payload portion.	N/A	Unsigned integer. Value range: 0 to 1000. By default, 0 is configured.	If one of Length and End is not configured, the other cannot be configured.
Start	Beginning pattern for the payload stickiness.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
End	Ending pattern for the payload stickiness.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
OverrideLimit	Ignore the limits for sessions that match sticky entries.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable(default). 1—Enable. 	N/A
PriorBusyEnable	Prior to busy action	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable(default). 1—Enable. 	N/A

LB/HTTPContentStickyGroups

This table contains information about HTTP content sticky groups.

XML structure

```
<LB>
  <HTTPContentStickyGroups>
    <HTTPContentStickyGroup>
      <Name></Name>
      <Description></Description>
      <Type></Type>
      <Timeout></Timeout>
      <Offset></Offset>
      <Length></Length>
      <Start></Start>
      <End></End>
      <OverrideLimit></OverrideLimit>
      <PriorBusyEnable></PriorBusyEnable>
    </HTTPContentStickyGroup>
  </HTTPContentStickyGroups>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	HTTPContentStickyGroups
Table type	Multi-instance table
Row name	HTTPContentStickyGroup
Restrictions	Only HTTP content sticky groups can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the sticky group.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description information for the sticky group.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.

Column name	Column description	Column type	Data type and restrictions	Remarks
Type	Sticky method of HTTP content sticky group.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None (default). 1—Content stickiness. 	Only when the type is content stickiness (1), configurations of offset, length, start and end can be configured.
Timeout	Timeout time of the sticky group.	N/A	Unsigned integer. Value range: 10 to 604800. Unit: second. By default, the value is 60s .	N/A
Offset	Offset to the first byte of the HTTP content.	N/A	Unsigned integer. Value range: 0 to 1000. By default, the value is 0.	N/A
Length	Length of the HTTP content.	N/A	Unsigned integer. Value range: 0 to 1000. By default, the value is 0.	If one of Length and End is not configured, the other cannot be configured.
Start	Beginning pattern for the HTTP content stickiness.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
End	Ending pattern for the HTTP content stickiness.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
OverrideLimit	Ignore the limits for sessions that match sticky entries.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable(default). 1—Enable. 	N/A
PriorBusyEnable	Prior to busy action	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable(default). 1—Enable. 	N/A

LB/HTTPCookieStickyGroups

This table contains information about HTTP cookie sticky groups.

XML structure

```

<LB>
  <HTTPCookieStickyGroups>
    <HTTPCookieStickyGroup>
      <Name></Name>
      <Description></Description>
      <Timeout></Timeout>
      <Type></Type>
      <CookieName></CookieName>

```

```

<Offset></Offset>
<Length></Length>
<Start></Start>
<End></End>
<CookieSecondary></CookieSecondary>
<CheckAll></CheckAll>
<OverrideLimit></OverrideLimit>
<PriorBusyEnable></PriorBusyEnable>
</HTTPCookieStickyGroup>
</HTTPCookieStickyGroups>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	HTTPCookieStickyGroups
Table type	Multi-instance table
Row name	HTTPCookieStickyGroup
Restrictions	Only HTTP cookie sticky groups can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the sticky group.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description information for the sticky group.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
Timeout	Timeout time of the sticky group.	N/A	Unsigned integer. Value range: 0 to 31536000. Unit: second. By default, the value is 86400s.	N/A
Type	Sticky method of HTTP cookie sticky group.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None (default). 1—Cookie insert stickiness. 2—Cookie rewrite stickiness 3—Cookie get 	Only when the type is cookie rewrite (3), configurations of offset, length, start and end can be configured.

Column name	Column description	Column type	Data type and restrictions	Remarks
			stickiness	
CookieName	Name of the cookie.	N/A	String. Length: 0 to 63 characters.	When Type is rewrite (3), this column must be configured. Characters 0~31 and 127~255 in ASCII are not supported, such as characters of "(" "<" ">" "@" " " ";" ":" "\" "" "/" "[" "]" "?" "=" "{" "}" SP HT are not supported either.
Offset	Offset to the first byte of the HTTP cookie.	N/A	Unsigned integer. Value range: 0 to 1000. By default, the value is 0.	N/A
Length	Length of the HTTP cookie.	N/A	Unsigned integer. Value range: 0 to 1000. By default, the value is 0.	If one of Length and End is not configured, the other cannot be configured.
Start	Beginning pattern for the HTTP cookie stickiness.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
End	Ending pattern for the HTTP cookie stickiness.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
CookieSecondary	Name of the secondary cookie.	N/A	String. Length: 0 to 63 characters.	Characters 0~31 and 127~255 in ASCII are not supported, such as characters of "(" "<" ">" "@" " " ";" ":" "\" "" "/" "[" "]" "?" "=" "{" "}" SP HT are not supported either.
CheckAll	Enable the check option for an HTTP cookie type persistence group.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
OverrideLimit	Ignore the limits for sessions that match sticky entries.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable(default). 1—Enable. 	N/A
PriorBusyEnable	Prior to busy action	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable(default). 1—Enable. 	N/A

LB/HTTPHeaderStickyGroups

This table contains information about HTTP header sticky groups.

XML structure

```
<LB>
  <HTTPHeaderStickyGroups>
    <HTTPHeaderStickyGroup>
      <Name></Name>
      <Description></Description>
      <Timeout></Timeout>
      <Type></Type>
      <HeaderName></HeaderName>
      <Offset></Offset>
      <Length></Length>
      <Start></Start>
      <End></End>
      <OverrideLimit></OverrideLimit>
      <PriorBusyEnable></PriorBusyEnable>
    </HTTPHeaderStickyGroup>
  </HTTPHeaderStickyGroups>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	HTTPHeaderStickyGroups
Table type	Multi-instance table
Row name	HTTPHeaderStickyGroup
Restrictions	Only HTTP header sticky groups can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the sticky group.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description information for the sticky group.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
Timeout	Timeout time of the sticky group.	N/A	Unsigned integer. Value range: 10 to 604800. Unit: second.	N/A


```

<SSLStickyGroup>
  <Name></Name>
  <Description></Description>
  <Timeout></Timeout>
  <Type></Type>
  <OverrideLimit></OverrideLimit>
  <PriorBusyEnable></PriorBusyEnable>
</SSLStickyGroup>
</SSLStickyGroups>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	SSLStickyGroups
Table type	Multi-instance table
Row name	SSLStickyGroup
Restrictions	Only SSL sticky groups can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the sticky group.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description information for the sticky group.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
Timeout	Timeout time of the sticky group.	N/A	Unsigned integer. Value range: 10 to 604800. Unit: second. By default, the value is 60s.	N/A
Type	Sticky method of SSL sticky group.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None (default). 1—SSL Session-ID stickiness. 	N/A
OverrideLimit	Ignore the limits for sessions that match sticky entries.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable(default). 1—Enable. 	N/A
PriorBusyEna	Prior to busy	N/A	Enumeration:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
ble	action		<ul style="list-style-type: none"> 0—Disable(default). 1—Enable. 	

LB/SIPStickyGroups

This table contains information about SIP sticky groups.

XML structure

```

<LB>
  <SIPStickyGroups>
    <SIPStickyGroup>
      <Name></Name>
      <Description></Description>
      <Timeout></Timeout>
      <Type></Type>
      <OverrideLimit></OverrideLimit>
      <PriorBusyEnable></PriorBusyEnable>
    </SIPStickyGroup>
  </SIPStickyGroups>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	SIPStickyGroups
Table type	Multi-instance table
Row name	SIPStickyGroup
Restrictions	Only SIP sticky groups can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the sticky group.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description information for the sticky group.	N/A	String. Length: 1 to 127 characters.	The null string indicates the label is not configured.

Column name	Column description	Column type	Data type and restrictions	Remarks
Timeout	Timeout time of the sticky group.	N/A	Unsigned integer. Value range: 10 to 604800. Unit: second. By default, the value is 60s.	N/A
Type	Sticky method of SIP sticky group.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None (default). 1—SIP Call-ID stickiness. 	N/A
OverrideLimit	Ignore the limits for sessions that match sticky entries.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable(default). 1—Enable. 	N/A
PriorBusyEnable	Prior to busy action	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable(default). 1—Enable. 	N/A

LB/Policies

This table contains information about policies.

XML structure

```

<LB>
  <Policies>
    <Policy>
      <Name></Name>
      <Type></Type>
      <Description></Description>
      <DefaultClassAction></DefaultClassAction>
    </Policy>
  </Policies>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	Policies
Table type	Multi-instance table
Row name	Policy
Restrictions	Only policy can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the policy.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Type	Type for the policy.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Generic. 1—HTTP. 2—Link-generic. 3—DNS. 4—RADIUS. 	When this column is configured, the value of this column cannot be modified.
Description	Description information for the policy.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
DefaultClassAction	Action for the default class of the policy.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.

LB/ClassActions

This table contains information about policy rules.

XML structure

```

<LB>
  <ClassActions>
    <ClassAction>
      <Policy></Policy>
      <Class></Class>
      <Action></Action>
      <BeforeClass></BeforeClass>
    </ClassAction>
  </ClassActions>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	ClassActions
Table type	Multi-instance table
Row name	ClassAction
Restrictions	Only policy rules can be configured by this table.

Support for row creation and deletion	Yes
---------------------------------------	-----

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Policy	Name of the policy.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Class	Name of the class.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Action	Name of the action for the class.	N/A	String, case-insensitive. Length: 1 to 63 characters.	When a row is created, the column must be configured.
BeforeClass	Name of the class that the row will be inserted before.	N/A	String, case-insensitive. Length: 0 to 63 characters.	BeforeClass must be an existing class. By default, indicates the row will be inserted at last.

LB/GenericActions

This table contains information about IP, TCP and UDP action.

XML structure

```

<LB>
  <GenericActions>
    <GenericAction>
      <Name></Name>
      <Description></Description>
      <ForwardType></ForwardType>
      <ServerFarm></ServerFarm>
      <BackupServerFarm></BackupServerFarm>
      <StickyGroup></StickyGroup>
      <IPToS></IPToS>
      <Fallback></Fallback>
    </GenericAction>
  </GenericActions>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	GenericActions

Table type	Multi-instance table
Row name	GenericAction
Restrictions	Only IP, TCP and UDP action can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the action.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the action.	N/A	String. Length: 1 to 127 characters.	N/A
ForwardType	Forward mode of the action.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Drop (default). 2—Forward all. 3—Server farm. 	When ForwardType changes from server farm (3) to drop (1) or forward all (2), ServerFarm and BackupServerFarm become default value.
ServerFarm	Name of the sever farm for the action.	N/A	String, case-insensitive. Length: 0 to 63 characters.	When the column is configured, ForwardType becomes server farm (3).
BackupServerFarm	Name of the backup sever farm for the action.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The column cannot be configured when ServerFarm is not configured.
StickyGroup	Name of the sticky group farm for the action.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The column cannot be configured when ServerFarm is not configured.
IPToS	ToS number of IP packet sent to server.	N/A	Unsigned integer. Value range: 0 to 255. By default, no IPToS is specified.	N/A
Fallback	Fallback action when real server select failed.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None (default). 1—Match next class. 	N/A

LB/RADIUSActions

This table contains information about RADIUS action.

XML structure

```
<LB>
  <RADIUSActions>
```

```

<RADIUSAction>
  <Name></Name>
  <Description></Description>
  <ForwardType></ForwardType>
  <ServerFarm></ServerFarm>
  <BackupServerFarm></BackupServerFarm>
  <StickyGroup></StickyGroup>
  <IPToS></IPToS>
  <Fallback></Fallback>
</RADIUSAction>
</RADIUSActions>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	RADIUSActions
Table type	Multi-instance table
Row name	RADIUSAction
Restrictions	Only RADIUS action can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the action.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the action.	N/A	String. Length: 1 to 127 characters.	N/A
ForwardType	Forward mode of the action.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Drop (default). 2—Forward all. 3—Server farm. 	When ForwardType changes from server farm (3) to drop (1) or forward all (2), ServerFarm and BackupServerFarm become default value.
ServerFarm	Name of the sever farm for the action.	N/A	String, case-insensitive. Length: 0 to 63 characters.	When the column is configured, ForwardType becomes server farm (3).
BackupServer Farm	Name of the backup sever farm for the action.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The column cannot be configured when ServerFarm is not configured.
StickyGroup	Name of the sticky group	N/A	String, case-insensitive. Length: 0 to 63 characters.	The column cannot be configured when

Column name	Column description	Column type	Data type and restrictions	Remarks
	for the action.			ServerFarm is not configured.
IPToS	ToS number of IP packet sent to server.	N/A	Unsigned integer. Value range: 0 to 255. By default, no IPToS is specified.	N/A
Fallback	Fallback action when real server select failed.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None (default). 1—Match next class. 	N/A

LB/LinkGenericActions

This table contains information about Link-generic action.

XML structure

```

<LB>
  <LinkGenericActions>
    <LinkGenericAction>
      <Name></Name>
      <Description></Description>
      <ForwardType></ForwardType>
      <LinkGroup></LinkGroup >
      <BackupLinkGroup></BackupLinkGroup>
      <StickyGroup></StickyGroup>
      <IPToS></IPToS>
      <Fallback></Fallback>
      <BusyFallback></BusyFallback>
    </LinkGenericAction>
  </LinkGenericActions>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	LinkGenericActions
Table type	Multi-instance table
Row name	LinkGenericAction
Restrictions	Only Link-generic action can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the action.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the action.	N/A	String. Length: 1 to 127 characters.	The null string indicates the label is not configured.
ForwardType	Forward mode of the action.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Drop (default). 2—Forward all. 3—Server farm. 	N/A
LinkGroup	Name of the link group for the action.	N/A	String, case-insensitive. Length: 0 to 63 characters.	When the column is configured, ForwardType becomes link group (3).
BackupLinkGroup	Name of the backup link group for the action.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The column cannot be configured when LinkGroup is not configured.
StickyGroup	Name of the sticky group farm for the action.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The column cannot be configured when LinkGroup is not configured.
IPToS	ToS number of IP packet sent to server.	N/A	Unsigned integer. Value range: 0 to 255. By default, no IPToS is specified.	N/A
Fallback	Fallback action when real server select failed.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None (default). 1—Match next class. 	N/A
BusyFallback	Fallback action when real server all busy.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Force (default). 1—Match next class. 	N/A

LB/DNSActions

This table contains information about DNS action.

XML structure

```

<LB>
  <DNSActions>
    <DNSAction>
      <Name></Name>
      <Description></Description>
      <ForwardType></ForwardType>
      <DNSServerPool></DNSServerPool>
    </DNSAction>
  </DNSActions>
</LB>

```

```

    <IPToS></IPToS>
    <Fallback></Fallback>
    <StickyGroup></StickyGroup>
    <BusyFallback></BusyFallback>
  </DNSAction>
</DNSActions>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	DNSActions
Table type	Multi-instance table
Row name	DNSAction
Restrictions	Only DNS action can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the action.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the action.	N/A	String. Length: 1 to 127 characters.	The null string indicates the label is not configured.
ForwardType	Forward mode of the action.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Drop (default). 2—Forward all. 3—DNS server pool. 4—Skip current DNS proxy. 	N/A
DNSServerPool	Name of the DNS server pool for the action.	N/A	String, case-insensitive. Length: 1 to 63 characters.	When the column is configured, ForwardType becomes DNS server pool (3).
IPToS	ToS number of IP packet sent to DNS server.	N/A	Unsigned integer. Value range: 0 to 255. By default, no IPToS is specified.	N/A
Fallback	Fallback action when DNS server select failed.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None (default). 1—Match next class. 	N/A
StickyGroup	Name of the sticky group.	N/A	String, case-insensitive. Length: 1 to 63 characters.	This column cannot be configured if the DNSServerPool is not

Column name	Column description	Column type	Data type and restrictions	Remarks
				configured.
BusyFallback	Fallback action when real server all busy.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Force (default). 1—Match next class. 	N/A

LB/HTTPActions

This table contains information about HTTP action.

XML structure

```

<LB>
  <HTTPActions>
    <HTTPAction>
      <Name></Name>
      <Description></Description>
      <ForwardType></ForwardType>
      <ServerFarm></ServerFarm>
      <BackupServerFarm></BackupServerFarm>
      <StickyGroup></StickyGroup>
      <SSLClientPolicy></SSLClientPolicy>
      <IPToS></IPToS>
      <Fallback></Fallback>
      <RewriteValue></RewriteValue>
      <ReplaceValue></ReplaceValue>
      <Redirect></Redirect>
      <ReturnCode></ReturnCode>
      <ZipFileWorkpath></ZipFileWorkpath>
      <ResponseZipFile></ResponseZipFile>
      <FallbackResponseRawFile></FallbackResponseRawFile>
    </HTTPAction>
  </HTTPActions>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	HTTPActions
Table type	Multi-instance table
Row name	HTTPAction
Restrictions	Only HTTP action can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the action.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the action.	N/A	String. Length: 1 to 127 characters.	N/A
ForwardType	Forward mode of the action.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Drop (default). 3—Server farm. 8—Redirect 9—Response. 	When ForwardType changes from server farm (3) to drop (1) or redirect (8) or response (9), ServerFarm and BackupServerFarm become default value.
ServerFarm	Name of the sever farm for the action.	N/A	String, case-insensitive. Length: 0 to 63 characters.	When the column is configured, ForwardType becomes server farm (3).
BackupServer Farm	Name of the backup sever farm for the action.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The column cannot be configured when ServerFarm is not configured.
StickyGroup	Name of the sticky group farm for the action.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The column cannot be configured when ServerFarm is not configured.
SSLClientPolicy	Name of the SSL client policy.	N/A	String, case-insensitive. Length: 0 to 31 characters.	N/A
IPToS	ToS number of IP packet sent to server.	N/A	Unsigned integer. Value range: 0 to 255. By default, no IPToS is specified.	N/A
Fallback	Fallback action when real server select failed.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None (default). 1—Match next class. 2—Response. 	N/A
RewriteValue	Content value need to be replaced in response.	N/A	String. Length: 1 to 127 characters.	This column and the column of ReplaceValue must be configured together.
ReplaceValue	New content value after replaced in response.	N/A	String. Length: 1 to 127 characters.	Some special applications and constraints as below: %is: insert source IPv4 address or source IPv6 address into header of the message. %ps: insert source port into header of the message.

Column name	Column description	Column type	Data type and restrictions	Remarks
				<p>%id: insert destination IPv4 address or IPv6 address into header of the message.</p> <p>%pd: insert destination port into header of the message.</p> <p>To the above-mentioned applications, some situations, like only %, ps, id, pd can behind %, must be constrained unless those serial % are not odd number.</p>
Redirect	Redirection URL.	N/A	String, case-insensitive. Length: 1 to 255 characters.	The column has two special usages, analyzes host and URL from requests. Only three symbols such as 'p', 'h' and '%' can be put behind '%'. Two '%' are regarded as one '%'. Process can handle, so the number of '%' must be even. They input below, except '%%%p' and '%%%h'. '%p' and '%h' only have one occurrence in the messages.
ReturnCode	Status code in the returned redirection packets.	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> 301—The requested resource has been permanently deleted. 302—The requested resource has been temporarily deleted (default). 	N/A
ZipFileWorkpath	Work path of the zip file for the response.	N/A	String. Length: 1 to 255 characters.	<p>If the column is not '/', it must start with /, and cannot end with /.</p> <p>The null string indicates the label is not configured.</p>
ResponseZipFile	<p>Full path and name of the zip file for the response.</p> <p>Example:</p> <ul style="list-style-type: none"> flash:/lb/1.html chassis3#slot1#flash:/lb/1.html 	N/A	String, case-insensitive. Length: 1 to 255 characters.	<p>The column can be configured when ForwardType is Response (9) or there is no ForwardType column.</p> <p>When the column is configured, ForwardType becomes Resposne (9).</p> <p>The column cannot be configured when ZipFileWorkpath is not configured.</p>

Column name	Column description	Column type	Data type and restrictions	Remarks
FallbackResponseRawFile	Full path and name of the raw file for the fallback action response. Example: <ul style="list-style-type: none"> flash:/lb/1.html chassis3#slot1#flash:/lb/1.html 	N/A	String, case-insensitive. Length: 1 to 255 characters.	The column can be configured when Fallback is Response(2).

LB/HTTPActionResponseFiles

This table contains information about HTTP action response file.

When this table is configured the ForwardType of http action becomes response(9).

XML structure

```

<LB>
  <HTTPActionResponseFiles>
    <HTTPActionResponseFile>
      <Action></Action>
      <URL></URL>
      <FileName></FileName>
    </HTTPActionResponseFile>
  </HTTPActionResponseFiles>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	HTTPActionResponseFiles
Table type	Multi-instance table
Row name	HTTPActionHeader
Restrictions	Only HTTP action response file can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Action	Name of the action.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
URL	URL of file for the action response.	Index	String. Length: 1 to 255 characters.	The column must start with /. When the column is configured, ForwardType becomes Resposne (9).
FileName	Full path and name of the file for the action response.	N/A	String, case-insensitive. Length: 1 to 255 characters.	The column must start witch device name.

LB/HTTPActionRewriteURLs

This table contains information about HTTP action rewrite URL.

XML structure

```

<LB>
  <HTTPActionRewriteURLs>
    <HTTPActionRewriteURL>
      <LocationURL></LocationURL>
      <Replace></Replace>
      <Encode></Encode>
    </HTTPActionRewriteURL>
  </HTTPActionRewriteURLs>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	HTTPActionRewriteURLs
Table type	Multi-instance table
Row name	HTTPActionURL
Restrictions	Only HTTP action rewrite URL can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LocationURL	URL of location value for the HTTP request line.	Index	String. Length: 0 to 127 characters.	N/A
Replace	Replaced string that method of URL rewrite process.	N/A	String. Length: 0 to 127 characters.	<p>This column only can be configured when LocationURL is configured. Some special applications and constraints as below:</p> <p>%is: source IPv4 address or source IPv6 address.</p> <p>%ps: source port.</p> <p>%id: destination IPv4 address or IPv6 address</p> <p>%pd: destination port.</p> <p>%sis: source IPv4 address or source IPv6 address of server.</p> <p>%sps: source port of server.</p> <p>%sid: destination IPv4 address or IPv6 address of server.</p> <p>%spd: destination port of server.</p> <p>%{x509v}: the version of certificate</p> <p>%{x509issuer}: the issuer of certificate</p> <p>%{x509before}: the vaild time of certificate(invaild before this time)</p> <p>%{x509after}: the vaild time of certificate(invaild after this time)</p> <p>%{x509hash}: the MD5 hash of certificate</p> <p>%{x509snum}: the serial number of certificate</p> <p>%{x509sigalgo}: the signature algorithm of certificate</p> <p>%{x509sub}: the subject of certificate</p> <p>%{x509spktype}: the subject public key type of certificate</p> <p>%{x509spk}: the subject public key of certificate</p> <p>%{x509spkRSA}: the number of subject public key bits of certificate</p>

Column name	Column description	Column type	Data type and restrictions	Remarks
				%{dncn}: common name %{dne}: email %{dno}: company/organization %{dnou}: organization unit %{dnc}: country %{dns}: state/province %{dnl}: location To the above-mentioned applications, some situations, like only % and rewrite variate can behind %, must be constrained unless those serial % are not odd number.
Encode	Encode type of URL rewrite.	N/A	Enumeration: • 0—None. • 1—URL. • 2—Base64	

LB/HTTPActionSSLURLs

This table contains information about HTTP action SSLURL.

XML structure

```

<LB>
  <HTTPActionSSLURLs>
    <HTTPActionSSLURL>
      <Name></Name>
      <LocationURL></LocationURL>
      <ClearPort></ClearPort>
      <SSLPort></SSLPort>
    </HTTPActionSSLURL>
  </HTTPActionSSLURLs>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	HTTPActionSSLURLs
Table type	Multi-instance table
Row name	HTTPActionSSLURL

Restrictions	Only HTTP action SSL URL can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the action.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
LocationURL	URL of location value for the HTTP header.	Index	String. Length: 1 to 63 characters.	N/A
ClearPort	HTTP port of Location for rewriting redirection message.	Index	Unsigned integer. Value range: 1 to 65535.	This column can only be configured when LocationURL is configured.
SSLPort	SSL port of the LB device.	N/A	Unsigned integer. Value range: 1 to 65535. By default, the value is 443.	This column can only be configured when LocationURL is configured.

LB/HTTPActionHeaders

This table contains information about HTTP action header.

XML structure

```

<LB>
  <HTTPActionHeaders>
    <HTTPActionHeader>
      <Action></Action>
      <Type></Type>
      <Direction></Direction>
      <HeaderName></HeaderName>
      <HeaderValue></HeaderValue>
      <HeaderExpress></HeaderExpress>
      <Replace></Replace>
      <Encode></Encode>
    </HTTPActionHeader>
  </HTTPActionHeaders>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	HTTPActionHeaders
Table type	Multi-instance table
Row name	HTTPActionHeader
Restrictions	Only HTTP action header can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Action	Name of the action.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Type	Type of the header process.	Index	Enumeration: <ul style="list-style-type: none"> 0—Header Delete. 1—Header Insert. 2—Header Rewrite. 	N/A
Direction	Process direction.	Index	Enumeration: <ul style="list-style-type: none"> 0—Request and Response. 1—Request. 2—Response. 	N/A
HeaderName	Name of the header.	Index	String, case-insensitive. Length: 1 to 63 characters.	HeaderName cannot contain any one of characters following: 0 to 31 and 127 to 255 in the ASCII table, character as "(" ")" "<" ">" "@" " " "," ";" ":" "\" "" "/" "[" "]" "?" "=" "{" "}" SP HT.
HeaderValue	Header value that method of Header Insert process.	N/A	String. Length: 0 to 255 characters.	This column has validity in Header Insert process. You cannot configure this column if the type is not Header Insert. Some special applications and constraints as below: %is: source IPv4 address or source IPv6 address. %ps: source port. %id: destination IPv4 address or IPv6 address. %pd: destination port.

Column name	Column description	Column type	Data type and restrictions	Remarks
				<p>%sis: source IPv4 address or source IPv6 address of server.</p> <p>%sps: source port of server.</p> <p>%sid: destination IPv4 address or IPv6 address of server.</p> <p>%spd: destination port of server.</p> <p>%{x509v}: the version of certificate</p> <p>%{x509issuer}: the issuer of certificate</p> <p>%{x509before}: the vaild time of certificate(invaild before this time)</p> <p>%{x509after}: the vaild time of certificate(invaild after this time)</p> <p>%{x509hash}: the MD5 hash of certificate</p> <p>%{x509snum}: the serial number of certificate</p> <p>%{x509sigalgo}: the signature algorithm of certificate</p> <p>%{x509sub}: the subject of certificate</p> <p>%{x509spktype}: the subject public key type of certificate</p> <p>%{x509spk}: the subject public key of certificate</p> <p>%{x509spkRSA}: the number of subject public key bits of certificate</p> <p>%{dn cn}: common name</p> <p>%{dn e}: email</p> <p>%{dn o}: company/organization</p> <p>%{dn ou}: organization unit</p> <p>%{dn c}: country</p> <p>%{dn s}: state/province</p> <p>%{dn l}: location</p> <p>To the above-mentioned applications, some situations, like only % and rewrite variate can behind %, must be constrained unless those serial % are not odd number.</p>

Column name	Column description	Column type	Data type and restrictions	Remarks
HeaderExpress	Header value that method of Header Rewrite process.	N/A	String. Length: 0 to 127 characters.	This column can only be configured when the type is Header Rewrite (2).
Replace	Replaced string that method of Header Rewrite process.	N/A	String. Length: 0 to 127 characters.	<p>This column can only be configured when the type is Header Rewrite (2).</p> <p>Some special applications and constraints as below:</p> <p>%is: source IPv4 address or source IPv6 address.</p> <p>%ps: source port.</p> <p>%id: destination IPv4 address or IPv6 address</p> <p>%pd: destination port.</p> <p>%sis: source IPv4 address or source IPv6 address of server.</p> <p>%sps: source port of server.</p> <p>%sid: destination IPv4 address or IPv6 address of server.</p> <p>%spd: destination port of server.</p> <p>%{x509v}: the version of certificate</p> <p>%{x509issuer}: the issuer of certificate</p> <p>%{x509before}: the vaild time of certificate(invaild before this time)</p> <p>%{x509after}: the vaild time of certificate(invaild after this time)</p> <p>%{x509hash}: the MD5 hash of certificate</p> <p>%{x509snum}: the serial number of certificate</p> <p>%{x509sigalgo}: the signature algorithm of certificate</p> <p>%{x509sub}: the subject of certificate</p> <p>%{x509spktype}: the subject public key type of certificate</p> <p>%{x509spk}: the subject public key of certificate</p> <p>%{x509spkRSA}: the number of subject public key bits of certificate</p>

Column name	Column description	Column type	Data type and restrictions	Remarks
				%{dncn}: common name %{dne}: email %{dno}: company/organization %{dnou}: organization unit %{dnc}: country %{dns}: state/province %{dnl}: location To the above-mentioned applications, some situations, like only % and rewrite variate can behind %, must be constrained unless those serial % are not odd number.
Encode	Encode type of URL rewrite.	N/A	Enumeration: • 0—None. • 1—URL. • 2—Base64	Encode

LB/Classes

This table contains information about classes.

XML structure

```

<LB>
  <Classes>
    <Class>
      <Name></Name>
      <Type></Type>
      <Description></Description>
      <MatchCondition></MatchCondition>
    </Class>
  </Classes>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	Classes
Table type	Multi-instance table
Row name	Class

Restrictions	Only class can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Class	Name of the class.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Type	Type of the class.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Generic. 1—HTTP. 2—Link-generic. 3—DNS. 4—RADIUS. 	When a class is created, the column must be configured. Once created, this column cannot be changed.
Description	Description of the class.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
MatchCondition	The rule matched class.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Match any. 1—Match all (default). 	Once created, this column cannot be changed.

LB/GenericMatchRules

This table contains information about generic match rule.

XML structure

```

<LB>
  <GenericMatchRules>
    <GenericMatchRule>
      <Class></Class>
      <ID></ID>
      <Type></Type>
      <SrcIpv4Address></SrcIpv4Address>
      <SrcIpv4PrefixLength></SrcIpv4PrefixLength>
      <SrcIpv6Address></SrcIpv6Address>
      <SrcIpv6PrefixLength></SrcIpv6PrefixLength>
      <ReferClass></ReferClass>
      <AclNum></AclNum>
      <AclName></AclName>
      <ISP></ISP>
      <User></User>
      <UserGroup></UserGroup>
      <IdentityDomain></IdentityDomain>

```



```

    <InterfaceName></InterfaceName>
  </GenericMatchRule>
</GenericMatchRules>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	GenericMatchRules
Table type	Multi-instance table
Row name	GenericMatchRule
Restrictions	Only generic match rule can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Class	Name of the class.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
ID	ID of the match rule.	Index	Unsigned integer. Value range: 1 to 65535.	N/A
Type	Type of the match rule.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Source IPv4. 1—Source IPv6. 2—Class. 3—IPv4 ACL. 4—IPv6 ACL. 5—ISP. 6—User. 7—User group. 8—Interface. 	N/A
SrcIpv4Address	Match rule of Source IPv4.	N/A	String. Dotted decimal notation. By default, no IPv4 address is specified.	This column can be configured only when the type is Source IPv4(0).
SrcIpv4PrefixLength	Mask length of the source IPv4 address.	N/A	Unsigned integer. Value range: 0 to 32. By default, the value is 32.	This column can be configured only when IPv4 address is configured.
SrcIpv6Address	Match rule of	N/A	Hexadecimal string,	This column can be configured only when the

Column name	Column description	Column type	Data type and restrictions	Remarks
ss	source IPv6.		colon-separated. By default, no IPv6 address is specified.	type is Source IPv6 (1).
SrcIpv6Prefix Length	Prefix length of the source IPv6 address.	N/A	Unsigned integer. Value range: 0 to 128. By default, the value is 128.	This column can be configured only when IPv6 address is configured.
ReferClass	Name of the referenced class.	N/A	String, case-insensitive. Length: 0 to 63 characters.	This column can be configured only when the type is Class (2).
AclNum	ACL number.	N/A	Unsigned integer. Value range: 2000 to 3999. By default, no ACL number is specified.	AclNum and AclName are mutual exclusive and only one of them can be set in a single message. This column can only be configured when the type is IPv4 ACL (3) or IPv6 ACL (4).
AclName	Name of the ACL.	N/A	String, case-insensitive. Length: 1 to 63 characters. By default, no ACL name is specified.	AclNum and AclName are mutual exclusive and only one of them can be set in a single message. This column can be configured only when the type is IPv4 ACL (3) or IPv6 ACL (4).
ISP	Name of the ISP.	N/A	String, case-insensitive. Length: 1 to 63 characters. By default, no ISP name is specified.	This column can be configured only when the type is ISP (5).
User	Name of the user.	N/A	String, case-sensitive.. Length: 1 to 55 characters. By default, no username is specified.	This column can be configured only when the type is user (6).
UserGroup	Name of the user group.	N/A	String, case-insensitive.. Length: 1 to 32 characters. By default, no user group name is specified.	This column can be configured only when the type is user group (7).
IdentityDomain	The domain name of the user or user group.	N/A	String, case-insensitive.. Length: 1 to 255 characters. By default, no domain name is specified.	This column can be configured only when the type is user or user group (6 or 7). The name cannot contain question marks (?).
InterfaceName	Name of the interface.	N/A	String, case-insensitive.. Length: 1 to 47 characters. By default, no interface name is specified.	This column can be configured only when the type is interface (8).

LB/LinkGenericMatchRules

This table contains information about link generic match rule.

XML structure

```
<LB>
  <LinkGenericMatchRules>
    <LinkGenericMatchRule>
      <Class></Class>
      <ID></ID>
      <Type></Type>
      <SrcIpv4Address></SrcIpv4Address>
      <SrcIpv4PrefixLength></SrcIpv4PrefixLength>
      <SrcIpv6Address></SrcIpv6Address>
      <SrcIpv6PrefixLength></SrcIpv6PrefixLength>
      <ReferClass></ReferClass>
      <AclNum></AclNum>
      <AclName></AclName>
      <ISP></ISP>
      <AppGroup></AppGroup>
      <DstIpv4Address></DstIpv4Address>
      <DstIpv4PrefixLength></DstIpv4PrefixLength>
      <DstIpv6Address></DstIpv6Address>
      <DstIpv6PrefixLength></DstIpv6PrefixLength>
      <DstDomain></DstDomain>
      <User></User>
      <UserGroup></UserGroup>
      <IdentityDomain></IdentityDomain>
      <InterfaceName></InterfaceName>
    </LinkGenericMatchRule>
  </LinkGenericMatchRules>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	LinkGenericMatchRules
Table type	Multi-instance table
Row name	LinkGenericMatchRule
Restrictions	Only link generic match rule can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Class	Name of the class.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
ID	ID of the match rule.	Index	Unsigned integer. Value range: 1 to 65535.	N/A
Type	Type of the match rule.	N/A	Enumeration: <ul style="list-style-type: none"> • 0—Source IPv4. • 1—Source IPv6. • 2—Class. • 3—IPv4 ACL. • 4—IPv6 ACL. • 5—ISP. • 6—Application group. • 7—Destination IPv4. • 8—Destination IPv6. • 9—Destination domain. • 10—User. • 11—User group. • 12—Interface. 	N/A
SrcIpv4Address	Match rule of Source IPv4.	N/A	String. Dotted decimal notation. By default, no IPv4 address is specified.	This column can be configured only when the type is Source IPv4(0).
SrcIpv4Prefix Length	Mask length of the source IPv4 address.	N/A	Unsigned integer. Value range: 0 to 32. By default, the value is 32.	This column can be configured only when IPv4 address is configured.
SrcIpv6Address	Match rule of source IPv6.	N/A	Hexadecimal string, colon-separated. By default, no IPv6 address is specified.	This column can be configured only when the type is Source IPv6 (1).
SrcIpv6Prefix Length	Prefix length of the source IPv6 address.	N/A	Unsigned integer. Value range: 0 to 128. By default, the value is 128.	This column can be configured only when IPv6 address is configured.
ReferClass	Name of the referenced class.	N/A	String, case-insensitive. Length: 1 to 63 characters.	This column can be configured only when the type is Class (2).
AclNum	ACL number.	N/A	Unsigned integer. Value range: 2000 to 3999. By default, no ACL number is specified.	AclNum and AclName are mutual exclusive and only one of them can be set in a single message. This column can be configured only when the type is IPv4 ACL (3) or

Column name	Column description	Column type	Data type and restrictions	Remarks
				IPv6 ACL (4).
AclName	Name of the ACL.	N/A	String, case-insensitive. Length: 1 to 63 characters. By default, no ACL name is specified.	AclNum and AclName are mutual exclusive and only one of them can be set in a single message. This column can be configured only when the type is IPv4 ACL (3) or IPv6 ACL (4).
ISP	Name of the ISP.	N/A	String, case-insensitive. Length: 1 to 63 characters. By default, no ISP name is specified.	This column can be configured only when the type is ISP (5).
AppGroup	Name of the application group.	N/A	String. Length: 1 to 63 characters. By default, no application group name is specified.	This column can be configured only when the type is application group (6).
DstIpv4Address	Match rule of destination IPv4.	N/A	String. Dotted decimal notation. By default, no IPv4 address is specified.	This column can be configured only when the type is destination IPv4(7).
DstIpv4Prefix Length	Mask length of the destination IPv4 address.	N/A	Unsigned integer. Value range: 0 to 32. By default, the value is 32.	This column can be configured only when destination IPv4 address is configured.
DstIpv6Address	Match rule of destination IPv6.	N/A	Hexadecimal string, colon-separated. By default, no IPv6 address is specified.	This column can be configured only when the type is destination IPv6 (8).
DstIpv6Prefix Length	Prefix length of the destination IPv6 address.	N/A	Unsigned integer. Value range: 0 to 128. By default, the value is 128.	This column can be configured only when destination IPv6 address is configured.
DstDomain	Match rule of destination domain	N/A	String, case-insensitive. Length: 1 to 253 characters.	The string can contain letters, numbers, hyphens (-), underscores (_), and dots (.). The domain name supports wildcards including question marks (?) and asterisks (*). The following rules apply when you use wildcards: Use a question mark (?) to replace one character, except the dot (.). Multiple question marks can appear in the domain name. Use an asterisk (*) to replace multiple characters, except the dot

Column name	Column description	Column type	Data type and restrictions	Remarks
				(.). Multiple asterisks can appear in the domain name. Question marks and asterisks can appear in the domain name at the same time.
User	Name of the user.	N/A	String, case-sensitive.. Length: 1 to 55 characters. By default, no user name is specified.	This column can be configured only when the type is user (10).
UserGroup	Name of the user group.	N/A	String, case-insensitive.. Length: 1 to 32 characters. By default, no user group name is specified.	This column can be configured only when the type is user group (11).
IdentityDomain	The domain name of the user or user group.	N/A	String, case-insensitive.. Length: 1 to 255 characters. By default, no domain name is specified.	This column can be configured only when the type is user or user group (10 or 11). The name cannot contain question marks (?).
InterfaceName	Name of the interface.	N/A	String, case-insensitive.. Length: 1 to 47 characters. By default, no interface name is specified.	This column can be configured only when the type is interface (12).

LB/DNSMatchRules

This table contains information about DNS match rule.

XML structure

```

<LB>
  <DNSMatchRules>
    <DNSMatchRule>
      <Class></Class>
      <ID></ID>
      <Type></Type>
      <SrcIpv4Address></SrcIpv4Address>
      <SrcIpv4PrefixLength></SrcIpv4PrefixLength>
      <SrcIpv6Address></SrcIpv6Address>
      <SrcIpv6PrefixLength></SrcIpv6PrefixLength>
      <DstIpv4Address></DstIpv4Address>
      <DstIpv4PrefixLength></DstIpv4PrefixLength>
      <DstIpv6Address></DstIpv6Address>
      <DstIpv6PrefixLength></DstIpv6PrefixLength>
      <ReferClass></ReferClass>

```

```

    <AclNum></AclNum>
    <AclName></AclName>
    <Domain></Domain>
    <User></User>
    <UserGroup></UserGroup>
    <IdentityDomain></IdentityDomain>
    <InterfaceName></InterfaceName>
  </DNSMatchRule>
</DNSMatchRules>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	DNSMatchRules
Table type	Multi-instance table
Row name	DNSMatchRule
Restrictions	Only DNS match rule can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Class	Name of the class.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
ID	ID of the match rule.	Index	Unsigned integer. Value range: 1 to 65535.	N/A
Type	Type of the match rule.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Source IPv4. 1—Source IPv6. 2—Destination IPv4. 3—Destination IPv6. 4—Class. 5—IPv4 ACL. 6—IPv6 ACL. 7—Domain name. 8—User. 9—User group. 10—Interface. 	N/A
SrcIpv4Addre	Match rule of	N/A	String.	This column can be

Column name	Column description	Column type	Data type and restrictions	Remarks
ss	source IPv4.		Dotted decimal notation. By default, no IPv4 address is specified.	configured only when the type is Source IPv4(0).
SrcIpv4Prefix Length	Mask length of the source IPv4 address.	N/A	Unsigned integer. Value range: 0 to 32. By default, the value is 32.	This column can be configured only when IPv4 address is configured.
SrcIpv6Address	Match rule of source IPv6.	N/A	Hexadecimal string, colon-separated. By default, no IPv6 address is specified.	This column can be configured only when the type is Source IPv6 (1).
SrcIpv6Prefix Length	Prefix length of the source IPv6 address.	N/A	Unsigned integer. Value range: 0 to 128. By default, the value is 128.	This column can be configured only when IPv6 address is configured.
DstIpv4Address	Match rule of destination IPv4.	N/A	String. Dotted decimal notation. By default, no IPv4 address is specified.	This column can be configured only when the type is destination IPv4(2).
DstIpv4Prefix Length	Mask length of the destination IPv4 address.	N/A	Unsigned integer. Value range: 0 to 32. By default, the value is 32.	This column can be configured only when destination IPv4 address is configured.
DstIpv6Address	Match rule of destination IPv6.	N/A	Hexadecimal string, colon-separated. By default, no IPv6 address is specified.	This column can be configured only when the type is destination IPv6 (3).
DstIpv6Prefix Length	Prefix length of the destination IPv6 address.	N/A	Unsigned integer. Value range: 0 to 128. By default, the value is 128.	This column can be configured only when destination IPv6 address is configured.
ReferClass	Name of the referenced class.	N/A	String, case-insensitive. Length: 1 to 63 characters.	This column can be configured only when the type is Class (4).
AcNum	ACL number.	N/A	Unsigned integer. Value range: 2000 to 3999. By default, no ACL number is specified.	AcNum and AcName are mutual exclusive and only one of them can be set in a single message. This column can be configured only when the type is IPv4 ACL (5) or IPv6 ACL (6).
AcName	Name of the ACL.	N/A	String, case-insensitive. Length: 1 to 63 characters. By default, no ACL name is specified.	AcNum and AcName are mutual exclusive and only one of them can be set in a single message. This column can be configured only when the type is IPv4 ACL (5) or IPv6 ACL (6).
Domain	Domain for the DNS match rule	N/A	String, case-insensitive. Length: 1 to 253 characters.	The string can contain letters, numbers, hyphens (-), underscores (_), and dots (.).

Column name	Column description	Column type	Data type and restrictions	Remarks
				<p>The domain name supports wildcards including question marks (?) and asterisks (*).</p> <p>The following rules apply when you use wildcards:</p> <p>Use a question mark (?) to replace one character, except the dot (.).</p> <p>Multiple question marks can appear in the domain name.</p> <p>Use an asterisk (*) to replace multiple characters, except the dot (.).</p> <p>Multiple asterisks can appear in the domain name.</p> <p>Question marks and asterisks can appear in the domain name at the same time.</p>
User	Name of the user.	N/A	String, case-sensitive.. Length: 1 to 55 characters. By default, no user name is specified.	This column can be configured only when the type is user (8).
UserGroup	Name of the user group.	N/A	String, case-insensitive.. Length: 1 to 32 characters. By default, no user group name is specified.	This column can be configured only when the type is user group (9).
IdentityDomain	The domain name of the user or user group.	N/A	String, case-insensitive.. Length: 1 to 255 characters. By default, no domain name is specified.	<p>This column can be configured only when the type is user or user group (8 or 9).</p> <p>The name cannot contain question marks (?).</p>
InterfaceName	Name of the interface.	N/A	String, case-insensitive.. Length: 1 to 47 characters. By default, no interface name is specified.	This column can be configured only when the type is interface (10).

LB/HTTPMatchRules

This table contains information about HTTP match rule.

XML structure

```
<LB>
  <HTTPMatchRules>
```

```

<HTTPMatchRule>
  <Class></Class>
  <ID></ID>
  <Type></Type>
  <SrcIpv4Address></SrcIpv4Address>
  <SrcIpv4PrefixLength></SrcIpv4PrefixLength>
  <SrcIpv6Address></SrcIpv6Address>
  <SrcIpv6PrefixLength></SrcIpv6PrefixLength>
  <ReferClass></ReferClass>
  <CookieName></CookieName>
  <CookieValue></CookieValue>
  <HeaderName></HeaderName>
  <HeaderValue></HeaderValue>
  <Method></Method>
  <ExtType></ExtType>
  <URL></URL>
  <ContentOffset></ContentOffset>
  <ContentExpression></ContentExpression>
  <AclNum></AclNum>
  <AclName></AclName>
  <ISP></ISP>
  <User></User>
  <UserGroup></UserGroup>
  <IdentityDomain></IdentityDomain>
  <InterfaceName></InterfaceName>
</HTTPMatchRule>
</HTTPMatchRules>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	HTTPMatchRules
Table type	Multi-instance table
Row name	HTTPMatchRule
Restrictions	Only HTTP match rule can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Class	Name of the class.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
ID	ID of the match rule.	Index	Unsigned integer. Value range:1 to 65535.	N/A
Type	Type of the match rule.	N/A	Enumeration: <ul style="list-style-type: none"> • 0—Source IPv4. • 1—Source IPv6. • 2—Class. • 3—Cookie. • 4—HTTP Header. • 5—Method. • 6—URL. • 7—Content. • 8—IPv4 ACL. • 9—IPv6 ACL. • 10—ISP. • 11—User. • 12—User group. • 13—Interface. 	N/A
SrcIpv4Address	Match rule of Source IPv4.	N/A	String. Dotted decimal notation. By default, no IPv4 address is specified.	This column can be configured only when the type is Source IPv4(0).
SrcIpv4Prefix Length	Mask length of the source IPv4 address.	N/A	Unsigned integer. Value range: 0 to 32. By default, the value is 32.	This column can be configured only when IPv4 address is configured.
SrcIpv6Address	Match rule of source IPv6.	N/A	Hexadecimal string, colon-separated. By default, no IPv6 address is specified.	This column can be configured only when the type is Source IPv6(1).
SrcIpv6Prefix Length	Prefix length of the source IPv6 address.	N/A	Unsigned integer. Value range: 0 to 128. By default, the value is 128.	This column can be configured only when IPv6 address is configured.
ReferClass	Name of the referenced class.	N/A	String, case-insensitive. Length: 0 to 63 characters.	This column can be configured only when the type is Class (2).
CookieName	Cookie name of the http message.	N/A	String. Length: 0 to 63 characters.	This column can be configured only when the type is Cookie (3).
CookieValue	Regular expression matched the cookie range.	N/A	String. Length: 0 to 255 characters.	This column can be configured only when the type is Cookie (3) and the CookieName has been configured.
HeaderName	Header name	N/A	String, case-insensitive.	This column can be

Column name	Column description	Column type	Data type and restrictions	Remarks
	of the HTTP message.		Length: 0 to 63 characters.	configured only when the type is HTTP Header (4).
HeaderValue	Regular expression matched the header range.	N/A	String. Length: 0 to 255 characters.	This column can be configured only when the type is HTTP Header (4) and the HeaderName has been configured.
Method	Name of the http request method.	N/A	String. Length: 0 to 63 characters.	This column can be configured only when the type is Method (5).When the ExtType is Nonuser-defined (0), Method can only be configured one of these methods: GET, CONNECT, DELETE, HEAD, OPTIONS, TRACE, PUT, AND POST.
ExtType	Identification of the type for user-defined.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Nonuser-defined (default). 1—User-defined. 	N/A
URL	Regular expression matched the URL.	N/A	String. Length: 0 to 255 characters.	This column can be configured only when the type is URL (6).
ContentOffset	Absolute offset of the HTTP content.	N/A	Unsigned integer. Value range: 0 to 1000. By default, the value is zero.	This column can be configured only when the type is Content (7).
ContentExpression	Regular expression matched the content.	N/A	String. Length: 0 to 255 characters.	This column can be configured only when the type is Content (7).
AcNum	ACL number.	N/A	Unsigned integer. Value range: 2000 to 3999. By default, no ACL number is specified.	AcNum and AcName are mutual exclusive and only one of them can be set in a single message. This column can be configured only when the type is IPv4 ACL (8) or IPv6 ACL (9).
AcName	Name of the ACL.	N/A	String, case-insensitive. Length: 1 to 63 characters. By default, no ACL name is specified.	AcNum and AcName are mutual exclusive and only one of them can be set in a single message. This column can be configured only when the type is IPv4 ACL (8) or IPv6 ACL (9).
ISP	Name of the ISP.	N/A	String, case-insensitive. Length: 1 to 63 characters.	This column can be configured only when the type is ISP (10).

Column name	Column description	Column type	Data type and restrictions	Remarks
			By default, no ISP name is specified.	
User	Name of the user.	N/A	String, case-sensitive.. Length: 1 to 55 characters. By default, no user name is specified.	This column can be configured only when the type is user (11).
UserGroup	Name of the user group.	N/A	String, case-insensitive.. Length: 1 to 32 characters. By default, no user group name is specified.	This column can be configured only when the type is user group (12).
IdentityDomain	The domain name of the user or user group.	N/A	String, case-insensitive.. Length: 1 to 255 characters. By default, no domain name is specified.	This column can be configured only when the type is user or user group (11 or 12). The name cannot contain question marks (?).
InterfaceName	Name of the interface.	N/A	String, case-insensitive.. Length: 1 to 47 characters. By default, no interface name is specified.	This column can be configured only when the type is interface (13).

LB/RADIUSMatchRules

This table contains information about RADIUS match rule.

XML structure

```

<LB>
  <RADIUSMatchRules>
    <RADIUSMatchRule>
      <Class></Class>
      <ID></ID>
      <Type></Type>
      <SrcIpv4Address></SrcIpv4Address>
      <SrcIpv4PrefixLength></SrcIpv4PrefixLength>
      <SrcIpv6Address></SrcIpv6Address>
      <SrcIpv6PrefixLength></SrcIpv6PrefixLength>
      <ReferClass></ReferClass>
      <AclNum></AclNum>
      <AclName></AclName>
      <AttributeType></AttributeType>
      <AttributeExpression></AttributeExpression>
    </RADIUSMatchRule>
  </RADIUSMatchRules>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	RADIUSMatchRules
Table type	Multi-instance table
Row name	RADIUSMatchRule
Restrictions	Only RADIUS match rule can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Class	Name of the class.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
ID	ID of the match rule.	Index	Unsigned integer. Value range: 1 to 65535.	N/A
Type	Type of the match rule.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Source IPv4. 1—Source IPv6. 2—Class. 3—IPv4 ACL. 4—IPv6 ACL. 5—RADIUS. 	N/A
SrcIpv4Address	Match rule of Source IPv4.	N/A	String. Dotted decimal notation. By default, no IPv4 address is specified.	This column can be configured only when the type is Source IPv4(0).
SrcIpv4PrefixLength	Mask length of the source IPv4 address.	N/A	Unsigned integer. Value range: 0 to 32. By default, the value is 32.	This column can be configured only when IPv4 address is configured.
SrcIpv6Address	Match rule of source IPv6.	N/A	Hexadecimal string, colon-separated. By default, no IPv6 address is specified.	This column can be configured only when the type is Source IPv6 (1).
SrcIpv6PrefixLength	Prefix length of the source IPv6 address.	N/A	Unsigned integer. Value range: 0 to 128. By default, the value is 128.	This column can be configured only when IPv6 address is configured.
ReferClass	Name of the referenced	N/A	String, case-insensitive. Length: 0 to 63 characters.	This column can be configured only when the

Column name	Column description	Column type	Data type and restrictions	Remarks
	class.			type is Class (2).
AcINum	ACL number.	N/A	Unsigned integer. Value range: 2000 to 3999. By default, no ACL number is specified.	AcINum and AcIName are mutual exclusive and only one of them can be set in a single message. This column can only be configured when the type is IPv4 ACL (3) or IPv6 ACL (4).
AcIName	Name of the ACL.	N/A	String, case-insensitive. Length: 1 to 63 characters. By default, no ACL name is specified.	AcINum and AcIName are mutual exclusive and only one of them can be set in a single message. This column can be configured only when the type is IPv4 ACL (3) or IPv6 ACL (4).
AttributeType	Type of attribute	N/A	Unsigned integer. Value range: 1 to 255. By default, no AttributeType is specified.	This column can be configured only when the type is RADIUS (5).
AttributeExpression	Regular expression matched the attribute.	N/A	String. Length: 1 to 255 characters.	This column can be configured only when the type is RADIUS (5).

LB/ISPs

This table contains information about ISP.

XML structure

```

<LB>
  <ISPs>
    <ISP>
      <Name></Name>
      <Description></Description>
    </ISP>
  </ISPs>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	ISPs
Table type	Multi-instance table

Row name	ISP
Restrictions	Only manual ISP can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the ISP.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the ISP.	N/A	String. Length: 1 to 127 characters.	N/A

LB/ISPFile

This table contains information about ISP file.

XML structure

```
<LB>
  <ISPFile>
    <FileName></FileName>
  </ISPFile>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	ISPFile
Table type	Single-instance table
Row name	N/A
Restrictions	Only ISP file can be configured by this table.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
FileName	Name of the	N/A	String,	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	ISP file.		case-insensitive. Length: 1 to 255 characters.	

LB/FlowMode

This table contains information about flow mode.

XML structure

```
<LB>
  <FlowMode>
    <ModeType></ModeType>
  </FlowMode>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	FlowMode
Table type	Single-instance table
Row name	N/A
Restrictions	Only flow mode can be configured by this table.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ModeType	Type of flow mode.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—One failover-group. 2—Share failover-group (default). 	N/A

LB/Ipv4ISPAddressGroups

This table contains information about IPv4 ISP address groups.

XML structure

```
<LB>
  <Ipv4ISPAddressGroups>
    <Ipv4ISPAddressGroup>
      <Name></Name>
      <Ipv4Address></Ipv4Address>
      <Ipv4PrefixLength></Ipv4PrefixLength>
    </Ipv4ISPAddressGroup>
  </Ipv4ISPAddressGroups>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	Ipv4ISPAddressGroups
Table type	Multi-instance table
Row name	Ipv4ISPAddressGroup
Restrictions	Only manual IPv4 ISP can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the ISP.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Ipv4Address	IPv4 address.	Index	String. Dotted decimal notation. By default, no IPv4 address is specified.	The value must be equal to the summation of the address and the mask. Example:1.1.1.0/24.
Ipv4PrefixLength	IPv4 mask length.	Index	Unsigned integer. Value range:1 to 32.	N/A

LB/Ipv6ISPAddressGroups

This table contains information about IPv6 ISP address groups.

XML structure

```
<LB>
```

```

<Ipv6ISPAddressGroups>
  <Ipv6ISPAddressGroup>
    <Name></Name>
    <Ipv6Address></Ipv6Address>
    <Ipv6PrefixLength></Ipv6PrefixLength>
  </Ipv6ISPAddressGroup>
</Ipv6ISPAddressGroups>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	Ipv6ISPAddressGroups
Table type	Multi-instance table
Row name	Ipv6ISPAddressGroup
Restrictions	Only manual IPv6 ISP can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the ISP.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Ipv6Address	IPv6 address.	Index	Hexadecimal string, colon-separated.	The value must be equal to the summation of the address and the prefix. Example:195::/64.
Ipv6PrefixLength	IPv6 prefix length.	Index	Unsigned integer. Value range:1 to 128.	N/A

LB/ProximityParameters

This table contains information about proximity parameter.

XML structure

```

<LB>
  <ProximityParameters>
    <Ipv4PrefixLength></Ipv4PrefixLength>
    <Ipv6PrefixLength></Ipv6PrefixLength>
    <Timeout></Timeout>
  </ProximityParameters>
</LB>

```

```

<RTTWeight></RTTWeight>
<TTLWeight></TTLWeight>
<InBandwidthWeight></InBandwidthWeight>
<OutBandwidthWeight></OutBandwidthWeight>
<CostWeight></CostWeight>
<MaxNumber></MaxNumber>
<DefaultProbeMode></DefaultProbeMode>
<DefaultProbe></DefaultProbe>
</ProximityParameters>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	ProximityParameters
Table type	Single-instance table
Row name	N/A
Restrictions	Only proximity parameter can be configured by this table.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Ipv4PrefixLength	IPv4 mask length.	N/A	Unsigned integer. Value range:0 to 32. By default, the value is 24.	Zero means nature mask.
Ipv6PrefixLength	IPv6 prefix length.	N/A	Unsigned integer. Value range:1 to 128. By default, the value is 96.	N/A
Timeout	The life time of proximity.	N/A	Unsigned integer. Value range:60 to 3600. By default, the value is 60.	N/A
RTTWeight	The weight of RTT.	N/A	Unsigned integer. Value range:0 to 255. By default, the value is 100.	N/A
TTLWeight	The weight of TTL.	N/A	Unsigned integer. Value range:0 to 255. By default, the value is 100.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
InBandwidthWeight	The weight of inbound bandwidth.	N/A	Unsigned integer. Value range:0 to 255. By default, the value is 100.	N/A
OutBandwidthWeight	The weight of outbound bandwidth.	N/A	Unsigned integer. Value range:0 to 255. By default, the value is 100.	N/A
CostWeight	The weight of link cost.	N/A	Unsigned integer. Value range:0 to 255. By default, the value is 100.	N/A
MaxNumber	Proximity entries upper limit number.	N/A	Unsigned integer. Value range:0 to 10000000. By default, the value is 0 which indicates the number of proximity entries is unlimited.	N/A
DefaultProbeMode	Default probe mode for the proximity.	N/A	Enumeration: <ul style="list-style-type: none"> 0—NQA (default). 1—LB. 	N/A
DefaultProbe	Default probe method for the proximity.	N/A	String, case-insensitive. Length: 1 to 32 characters. By default, no default probe is specified.	N/A

LB/VRFProximityParameters

This table contains information about proximity parameter.

XML structure

```

<LB>
  <VRFProximityParameters>
    <VRFProximityParameter>
      <VRF></VRF>
      <Ipv4PrefixLength></Ipv4PrefixLength>
      <Ipv6PrefixLength></Ipv6PrefixLength>
      <Timeout></Timeout>
      <RTTWeight></RTTWeight>
      <TTLWeight></TTLWeight>
      <InBandwidthWeight></InBandwidthWeight>
      <OutBandwidthWeight></OutBandwidthWeight>

```

```

    <CostWeight></CostWeight>
    <MaxNumber></MaxNumber>
    <DefaultProbeMode></DefaultProbeMode>
    <DefaultProbe></DefaultProbe>
  </VRFProximityParameter>
</VRFProximityParameters>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	VRFProximityParameters
Table type	Multi-instance table
Row name	VRFProximityParameter
Restrictions	Only proximity parameter can be configured by this table.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VRF name.	Index	String. Length: 0 to 31 characters.	The null string indicates public network.
Ipv4PrefixLength	IPv4 mask length.	N/A	Unsigned integer. Value range:0 to 32. By default, the value is 24.	Zero means nature mask.
Ipv6PrefixLength	IPv6 prefix length.	N/A	Unsigned integer. Value range:1 to 128. By default, the value is 96.	N/A
Timeout	The life time of proximity.	N/A	Unsigned integer. Value range:60 to 3600. By default, the value is 60.	N/A
RTTWeight	The weight of RTT.	N/A	Unsigned integer. Value range:0 to 255. By default, the value is 100.	N/A
TTLWeight	The weight of TTL.	N/A	Unsigned integer. Value range:0 to 255. By default, the value is 100.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
InBandwidthWeight	The weight of inbound bandwidth.	N/A	Unsigned integer. Value range:0 to 255. By default, the value is 100.	N/A
OutBandwidthWeight	The weight of outbound bandwidth.	N/A	Unsigned integer. Value range:0 to 255. By default, the value is 100.	N/A
CostWeight	The weight of link cost.	N/A	Unsigned integer. Value range:0 to 255. By default, the value is 100.	N/A
MaxNumber	Proximity entries upper limit number.	N/A	Unsigned integer. Value range:0 to 10000000. By default, the value is 0 which indicates the number of proximity entries is unlimited.	N/A
DefaultProbeMode	Default probe mode for the proximity.	N/A	Enumeration: <ul style="list-style-type: none"> 0—NQA (default). 1—LB. 	N/A
DefaultProbe	Default probe method for the proximity.	N/A	String, case-insensitive. Length: 1 to 32 characters. By default, no default probe is specified.	N/A

LB/ProximityProbeRules

This table contains information about probe of the proximity.

XML structure

```

<LB>
  <ProximityProbeRules>
    <ProximityProbeRule>
      <ID></ID>
      <Type></Type>
      <ProbeMode></ProbeMode>
      <Probe></Probe>
    </ProximityProbeRule>
  </ProximityProbeRules>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	ProximityProbeRules
Table type	Multi-instance table
Row name	ProximityProbeRule
Restrictions	Only proximity probe can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ID	ID of the probe rule.	Index	Unsigned integer. Value range: 1 to 65535.	N/A
Type	Type of the rule.	N/A	Enumeration: <ul style="list-style-type: none">0—TCP.	N/A
ProbeMode	Mode of the match probe.	N/A	Enumeration: <ul style="list-style-type: none">0—NQA (default).1—LB.	N/A
Probe	Name of the match probe.	N/A	String, case-insensitive. Length: 1 to 32 characters.	N/A

LB/VRFProximityProbeRules

This table contains information about probe of the proximity.

XML structure

```
<LB>
  <VRFProximityProbeRules>
    <VRFProximityProbeRule>
      <VRF></VRF>
      <ID></ID>
      <Type></Type>
      <ProbeMode></ProbeMode>
      <Probe></Probe>
    </VRFProximityProbeRule>
  </VRFProximityProbeRules>
</LB>
```


Table description

Item	Description
Feature name	LB
Table name	VRFProximityProbeRules
Table type	Multi-instance table
Row name	VRFProximityProbeRule
Restrictions	Only proximity probe can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VRF name.	Index	String. Length: 0 to 31 characters.	The null string indicates public network.
ID	ID of the probe rule.	Index	Unsigned integer. Value range: 1 to 65535.	N/A
Type	Type of the rule.	N/A	Enumeration: <ul style="list-style-type: none">0—TCP.	N/A
ProbeMode	Mode of the match probe.	N/A	Enumeration: <ul style="list-style-type: none">0—NQA (default).1—LB.	N/A
Probe	Name of the match probe.	N/A	String, case-insensitive. Length: 1 to 32 characters.	N/A

LB/ALG

This table contains information about ALG.

XML structure

```
<LB>
  <ALG>
    <DnsEnable></DnsEnable>
    <FtpEnable></FtpEnable>
    <H323Enable></H323Enable>
    <IcmpEnable></IcmpEnable>
    <IlsEnable></IlsEnable>
    <MgcpEnable></MgcpEnable>
```

```

<NbtEnable></NbtEnable>
<PtpEnable></PtpEnable>
<RshEnable></RshEnable>
<RtspEnable></RtspEnable>
<SccpEnable></SccpEnable>
<SipEnable></SipEnable>
<SqlnetEnable></SqlnetEnable>
<TftpEnable></TftpEnable>
<XdmcpEnable></XdmcpEnable>
</ALG>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	ALG
Table type	Single-instance table
Row name	N/A
Restrictions	Only ALG can be configured by this table.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DnsEnable	Enable the DNS protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable (default). 	N/A
FtpEnable	Enable the FTP protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable (default). 	N/A
H323Enable	Enable the H323 protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
IcmpEnable	Enable the ICMP protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable (default). 	N/A
IlsEnable	Enable the ILS protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
MgcpEnable	Enable the MGCP protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
NbtEnable	Enable the NBT protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
PtpEnable	Enable the PPTP protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable (default). 	N/A
RshEnable	Enable the RSH protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
RtspEnable	Enable the RTSP protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable (default). 	N/A
SccpEnable	Enable the SCCP protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
SipEnable	Enable the SIP protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
SqlnetEnable	Enable the SQLNET protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
TftpEnable	Enable the TFTP protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
XdmcpEnable	Enable the XDMCP protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A

LB/LimitPolicies

This table contains information about limit policies.

XML structure

```
<LB>
  <LimitPolicies>
    <LimitPolicy>
      <Name></Name>
      <Description></Description>
    </LimitPolicy>
  </LimitPolicies>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	LimitPolicies
Table type	Multi-instance table
Row name	LimitPolicy
Restrictions	Only limit policy can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the limit policy.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description information for the policy.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.

LB/LimitRules

This table contains information about limit policy rules.

XML structure

```
<LB>
  <LimitRules>
    <LimitRule>
      <Name></Name>
      <ID></ID>
      <AclVersion></AclVersion>
      <AclNum></AclNum>
```

```

    <AclName></AclName>
    <PerDestination></PerDestination>
    <PerSource></PerSource>
    <PerService></PerService>
    <ThresholdHigh></ThresholdHigh>
    <ThresholdLow></ThresholdLow>
  </LimitRule>
</LimitRules>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	LimitRules
Table type	Multi-instance table
Row name	LimitRule
Restrictions	Only limit policy rule can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the limit policy.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
ID	ID of the limit policy rule.	Index	Unsigned integer. Value range: 1 to 65535.	N/A
AclVersion	Version of ACL	N/A	Enumeration: <ul style="list-style-type: none"> 1—IPv4. 2—IPv6. 	N/A
AclNum	ACL number.	N/A	Unsigned integer. Value range: 2000 to 3999. By default, no ACL number is specified.	AclNum and AclName are mutual exclusive and only one of them can be set in a single message.
AclName	Name of the ACL.	N/A	String, case-insensitive. Length: 1 to 63 characters. By default, no ACL name is specified.	AclNum and AclName are mutual exclusive and only one of them can be set in a single message.
PerDestination	Enable the per-destination connection limit.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
PerSource	Enable the	N/A	Enumeration:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	per-source connection limit.		<ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	
PerService	Enable the per-service connection limit.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
ThresholdHigh	High threshold of the connections.	N/A	Unsigned integer. Value range: 1 to $2^{32}-1$. By default, the column is not configured.	ThresholdHigh must be greater or equal than ThresholdLow.
ThresholdLow	Low threshold of the connections.	N/A	Unsigned integer. Value range: 1 to $2^{32}-1$. By default, the column is not configured.	ThresholdHigh must be greater or equal than ThresholdLow.

LB/Links

This table contains information about link.

XML structure

```

<LB>
  <Links>
    <Link>
      <Name></Name>
      <Description></Description>
      <RouterType></RouterType>
      <RouterInterface></RouterInterface>
      <RouterIpv4Address></RouterIpv4Address>
      <RouterIpv6Address></RouterIpv6Address>
      <Weight></Weight>
      <Priority></Priority>
      <Cost></Cost>
      <LinkGroup></LinkGroup>
      <Shutdown></Shutdown>
      <ProbeSuccessCriteria></ProbeSuccessCriteria>
      <MaxConnectionLimit></MaxConnectionLimit>
      <RateLimitConnection></RateLimitConnection>
      <RateLimitBandwidth></RateLimitBandwidth>
      <InRateLimitBandwidth></InRateLimitBandwidth>
      <OutRateLimitBandwidth></OutRateLimitBandwidth>
      <BandwidthBusyRatio></BandwidthBusyRatio>
      <InBandwidthBusyRatio></InBandwidthBusyRatio>
      <OutBandwidthBusyRatio></OutBandwidthBusyRatio>
      <BandwidthBusyRecoverRatio></BandwidthBusyRecoverRatio>
      <InBandwidthBusyRecoverRatio></InBandwidthBusyRecoverRatio>

```

```

<OutBandwidthBusyRecoverRatio></OutBandwidthBusyRecoverRatio>
<MaxBandwidth></MaxBandwidth>
<InMaxBandwidth></InMaxBandwidth>
<OutMaxBandwidth></OutMaxBandwidth>
<VRF></VRF>
<InheritVPN></InheritVPN>
</Link>
</Links>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	Links
Table type	Multi-instance table
Row name	Link
Restrictions	Only link can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the link.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the link.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
RouterType	The type of router.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Configure. 1—Auto. 	N/A
RouterInterface	Name of the router interface.	N/A	String, case-insensitive. Length: 1 to 47 characters. By default, no interface name is specified.	This column can be configured only when the type is Auto (1).
RouterIpv4Address	IPv4 address.	N/A	String. Dotted decimal notation. By default, no IPv4 address is specified.	Example: 1.1.1.1. Loopback addresses, multicast addresses, broadcast addresses are not supported, and address such as 0.x.x.x are not supported either.

Column name	Column description	Column type	Data type and restrictions	Remarks
				This column can be configured only when the type is Configure (0).
RouterIpv6Address	IPv6 address.	N/A	Hexadecimal string, colon-separated. By default, no IPv6 address is specified.	Example: 2::2. Loopback addresses, multicast addresses and link local addresses are not supported. This column can be configured only when the type is Configure (0).
Weight	Weight of the link.	N/A	Unsigned integer. Value range: 1 to 255. By default, the value is 100.	A larger value means a higher weight.
Priority	Priority of the link.	N/A	Unsigned integer. Value range: 1 to 8. By default, the value is 4.	A larger value means a higher priority.
Cost	The cost of link bandwidth.	NA	Unsigned integer. Value range: 0 to 10240. By default, the value is 0 which indicates that cost factor can be ignore when calculate proximities.	N/A
LinkGroup	Name of the link group.	N/A	String, case-insensitive. Length: 1 to 63 characters. By default, no link group is specified.	N/A
Shutdown	Shutdown state for the link.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Not configured (default). 1—Shutdown. 2—Slow-shutdown. 	N/A
ProbeSuccessCriteria	Probe success criteria for the link.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. By default, the value is 0 which indicates that probe success criteria is all.	N/A
MaxConnectionLimit	Maximum connections limit number.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. By default, the value is 0 which indicates no preset limit.	N/A
RateLimitCoefficient	Maximum	N/A	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
connections	connections rate limit number.		Value range: 0 to $2^{32}-1$. Unit: cps. By default, the value is 0 which indicates no preset limit.	
RateLimitBandwidth	Maximum bandwidth rate limit number.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s. By default, the value is 0 KB/s which indicates no preset limit.	N/A
InRateLimitBandwidth	Inbound maximum bandwidth rate limit number.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s. By default, the value is 0 KB/s which indicate no preset inbound limit.	N/A
OutRateLimitBandwidth	Outbound maximum bandwidth rate limit number.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s. By default, the value is 0 KB/s which indicate no preset outbound limit.	N/A
BandwidthBusyRatio	Total bandwidth busy ratio.	N/A	Unsigned integer. Value range: 1 to 100. By default, the value is 70.	N/A
InBandwidthBusyRatio	Inbound bandwidth busy ratio.	N/A	Unsigned integer. Value range: 1 to 100. By default, the value is 70.	N/A
OutBandwidthBusyRatio	Outbound bandwidth busy ratio.	N/A	Unsigned integer. Value range: 1 to 100. By default, the value is 70.	N/A
BandwidthBusyRecoverRatio	Total bound bandwidth busy recovery ratio.	N/A	Unsigned integer. Value range: 1 to 100. By default, the value is 60. The busy rate must be greater than or equal to the recovery rate.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
InBandwidthBusyRecoverRatio	Inbound bandwidth busy recovery ratio.	N/A	Unsigned integer. Value range: 1 to 100. By default, the value is 60. The busy rate must be greater than or equal to the recovery rate.	N/A
OutBandwidthBusyRecoverRatio	Outbandwidth busy recovery ratio.	N/A	Unsigned integer. Value range: 1 to 100. By default, the value is 60. The busy rate must be greater than or equal to the recovery rate.	N/A
MaxBandwidth	Max bandwidth.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
InMaxBandwidth	Max inbound bandwidth.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
OutMaxBandwidth	Max outbound bandwidth.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
VRF	VRF name.	N/A	String, Length: 0 to 31 characters. By default, no VRF is specified.	The null string indicates public network.
InheritVPN	Inherit the VPN.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable inherit the VPN. 1—Enable inherit the VPN (default). 	N/A

LB/LinkProbes

This table contains information about link probe that only uses NQA template..

XML structure

```
<LB>
  <LinkProbes>
```

```

    <LinkProbe>
      <Link></Link>
      <Probe></Probe>
    </LinkProbe>
  </LinkProbes>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	LinkProbes
Table type	Multi-instance table
Row name	LinkProbe
Restrictions	Only Link probe can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Link	Name of the link.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Probe	Probe method for the link.	Index	String, case-insensitive. Length: 1 to 32 characters.	N/A

LB/LinkGroups

This table contains information about link group.

XML structure

```

<LB>
  <LinkGroups>
    <LinkGroup>
      <Name></Name>
      <Description></Description>
      <Predictor></Predictor>
      <HashIpv4PrefixLength></HashIpv4PrefixLength>
      <HashIpv6PrefixLength></HashIpv6PrefixLength>
      <SelectLinkMinNumber></SelectLinkMinNumber>
      <SelectLinkMaxNumber></SelectLinkMaxNumber>
      <SlowOnlineEnable></SlowOnlineEnable>
    </LinkGroup>
  </LinkGroups>
</LB>

```

```

    <SlowOnlineStandbyTime></SlowOnlineStandbyTime>
    <SlowOnlineRampUpTime></SlowOnlineRampUpTime>
    <Transparent></Transparent>
    <ActivateLower></ActivateLower>
    <ActivateUpper></ActivateUpper>
    <SNATPool></SNATPool>
    <FailAction></FailAction>
    <ProbeSuccessCriteria></ProbeSuccessCriteria>
    <ProximityEnable></ProximityEnable>
  </LinkGroup>
</LinkGroups>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	LinkGroups
Table type	Multi-instance table
Row name	LinkGroup
Restrictions	Only link group can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the link group.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the link group.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
Predictor	Predictor algorithm for LB to select a link to forward packet.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Round-robin (default). 1—Random. 2—Least-connection. 3—Hash source address. 4—Hash source port. 5—Hash destination address. 6—Bandwidth. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 7—Inbound bandwidth. 8—Outbound bandwidth. 9—Max bandwidth. 10—Max inbound bandwidth. 11—Max outbound bandwidth. 	
HashIpv4PrefixLength	Length of IPv4 address mask for hash algorithm.	N/A	Unsigned integer. Value range: 0 to 32. By default, the value is 32.	The column can only be configured when the Predictor is hash source address (3), hash source port (4) and hash destination address (5).
HashIpv6PrefixLength	Length of IPv6 address prefix for hash algorithm.	N/A	Unsigned integer. Value range: 0 to 128. By default, the value is 128.	The column can only be configured when the Predictor hash source address (3), hash source port (4) and hash destination address (5).
SelectLinkMinNumber	Minimum number of the active link in the link group.	N/A	Unsigned integer. Value range: 1 to 1000. By default, the column is not configured which indicates only the real server of highest priority can be dispatched.	If one of SelectLinkMinNumber and SelectLinkMaxNumber is not configured, the other cannot be configured. The value of SelectLinkMaxNumber must be greater or equal than SelectLinkMinNumber.
SelectLinkMaxNumber	Maximum number of the active link in the link group.	N/A	Unsigned integer. Value range: 1 to 1000. By default, the column is not configured.	If one of SelectLinkMinNumber and SelectLinkMaxNumber is not configured, the other cannot be configured. The value of SelectLinkMaxNumber must be greater or equal than SelectLinkMinNumber.
SlowOnlineEnable	Enable the link group slow online.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	If the column is 0, SlowOnlineStandbyTime and SlowOnlineRampUpTime cannot be configured without default value.
SlowOnlineStandbyTime	Standby time of the slow online.	N/A	Unsigned integer. Value range: 0 to 600. Unit: second. By default, the value is 5.	N/A
SlowOnlineRampUpTime	Ramp up time of the slow online.	N/A	Unsigned integer. Value range: 3 to 600. Unit: second. By default, the value is 5.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Transparent	Disable NAT for the server farm.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
ActivateLower	The status of main link group will be changed from in use to backup when the ratio of the available links in main link group becomes smaller than this value.	N/A	Unsigned integer. Value range: 1 to 99. By default, the column is not configured which indicates if one real server is active, the server farm is active.	If one of ActivateLower and ActivateUpper is not configured, the other cannot be configured. The value of ActivateUpper must be greater or equal than ActivateLower.
ActivateUpper	The status of main server farm will be changed from backup to in use when the ratio of the available links in main link group reaches or over this value.		Unsigned integer. Value range: 1 to 99. By default, the column is not configured.	If one of ActivateLower and ActivateUpper is not configured, the other cannot be configured. The value of ActivateUpper must be greater or equal than ActivateLower.
SNATPool	SNAT pool for the link group.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
FailAction	Specify the action that the LB takes with respect to connections if any link fails in a link group.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Keep (default). 1—Reset. 2—Reschedule. 	N/A
ProbeSuccessCriteria	The condition that link is available through probes.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. By default, the value is 0.	By default, indicates that when real server is available, all results of probes must be success.
ProximityEnable	Enable the proximity.	N/A	Enumeration: <ul style="list-style-type: none"> 0—disable (default). 1—enable. 	N/A

LB/LinkGroupProbes

This table contains information about Link Group Probe that only uses NQA template.

XML structure

```
<LB>
  <LinkGroupProbes>
    <LinkGroupProbe>
      <LinkGroup></LinkGroup>
      <Probe></Probe>
    </LinkGroupProbe>
  </LinkGroupProbes>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	LinkGroupProbes
Table type	Multi-instance table
Row name	LinkGroupProbe
Restrictions	Only link group probe can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LinkGroup	Name of the link group.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Probe	Probe method for the link group	Index	String, case-insensitive. Length: 1 to 32 characters.	N/A

LB/Regions

This table contains information about region.

XML structure

```
<LB>
  <Regions>
    <Region>
      <Name></Name>
    </Region>
  </Regions>
```

</LB>

Table description

Item	Description
Feature name	LB
Table name	Regions
Table type	Multi-instance table
Row name	Region
Restrictions	Only region can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the link.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A

LB/RegionISPs

This table contains information about region ISP.

XML structure

```
<LB>
  <RegionISPs>
    <RegionISP>
      <Region></Region>
      <ISP></ISP>
    </RegionISP>
  </RegionISPs>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	RegionISPs
Table type	Multi-instance table
Row name	RegionISP

Restrictions	Only Region ISP can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Region	Name of the region.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
ISP	ISP for the region.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A

LB/TopolgyRegions

This table contains information about topology region.

XML structure

```

<LB>
  <TopolgyRegions>
    <TopolgyRegion>
      <RegionName></RegionName>
      <Ipv4Address></Ipv4Address>
      <Ipv4MaskLength></Ipv4MaskLength>
      <Ipv6Address></Ipv6Address>
      <Ipv6PrefixLength></Ipv6PrefixLength>
      <Weight></Weight>
    </TopolgyRegion>
  </TopolgyRegions>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	TopolgyRegions
Table type	Multi-instance table
Row name	TopolgyRegion
Restrictions	Only TopolgyRegion can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RegionName	Name of the topology region.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Ipv4Address	IPv4 address.	N/A	String. Dotted decimal notation. By default, no IPv4 address is specified.	Example: 1.1.1.1. Loopback addresses, multicast addresses, broadcast addresses, and addresses such as 0.x.x.x with mask length 32 are not supported.
Ipv4MaskLength	IPv4 mask length.	N/A	Unsigned integer. Value range: 0 to 32. By default, the value is 32.	The column cannot be configured if no IPv4 address is configured.
Ipv6Address	IPv6 address.	N/A	Hexadecimal string, colon-separated. By default, no IPv6 address is specified.	Example: 2::2. Loopback addresses, multicast addresses and link local addresses are not supported.
Ipv6PrefixLength	IPv6 prefix length.	N/A	Unsigned integer. Value range: 0 to 128. By default, the value is 128.	The column cannot be configured if no IPv6 address is configured.
Weight	Weight of the topology region.	N/A	Unsigned integer. Value range: 1 to 255. By default, the value is 100.	A larger value means a higher weight.

LB/TopologyRegionIPv4s

This table contains information about an IPv4 topology region.

XML structure

```

<LB>
  <TopologyRegionIPv4s>
    <TopologyRegionIPv4>
      <RegionName></RegionName>
      <IPv4Address></IPv4Address>
      <IPv4MaskLength></IPv4MaskLength>
      <Weight></Weight>
    </TopologyRegionIPv4>
  </TopologyRegionIPv4s>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	TopolgyRegionIPv4s
Table type	Multi-instance table
Row name	TopolgyRegionIPv4
Restrictions	Only TopolgyRegionIPv4 can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RegionName	Name of the topolgy region.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
IPv4Addresses	IPv4 address.	N/A	String. Dotted decimal notation. By default, no IPv4 address is specified.	Example: 1.1.1.1. Loopback addresses, multicast addresses, broadcast addresses, and addresses such as 0.x.x.x with mask length 32 are not supported.
IPv4MaskLength	IPv4 mask length.	N/A	Unsigned integer. Value range: 0 to 32. By default, the value is 32.	The column cannot be configured if no IPv4 address is configured.
Weight	Weight of the topolgy region.	N/A	Unsigned integer. Value range: 1 to 255. By default, the value is 100.	A larger value means a higher weight.

LB/TopolgyRegionIPv6s

This table contains information about an IPv6 topolgy region.

XML structure

```
<LB>
  <TopolgyRegionIPv6s>
    <TopolgyRegionIPv6>
      <RegionName></RegionName>
      <IPv6Address></IPv6Address>
      <IPv6PrefixLength></IPv6PrefixLength>
      <Weight></Weight>
```

```

        </TopolgyRegionIPv6>
    </TopolgyRegionIPv6s>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	TopolgyRegion IPv6s
Table type	Multi-instance table
Row name	TopolgyRegion IPv6
Restrictions	Only TopolgyRegion IPv6 can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RegionName	Name of the topolgy region.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
IPv6Addresses	IPv6 address.	N/A	Hexadecimal string, colon-separated. By default, no IPv6 address is specified.	Example: 2::2. Loopback addresses, multicast addresses, and link local addresses are not supported.
IPv6PrefixLength	IPv6 prefix length.	N/A	Unsigned integer. Value range: 0 to 128. By default, the value is 128.	The column cannot be configured if no IPv6 address is configured.
Weight	Weight of the topolgy region.	N/A	Unsigned integer. Value range: 1 to 255. By default, the value is 100.	A larger value means a higher weight.

LB/DNSListeners

This table contains information about a DNS listener.

XML structure

```

<LB>
  <DNSListeners>
    <DNSListener>
      <Name></Name>
    </DNSListener>
  </DNSListeners>
</LB>

```

```

<VRF></VRF>
<Ipv4Address></Ipv4Address>
<Ipv6Address></Ipv6Address>
<PortNumber></PortNumber>
<IPv6PortNumber></IPv6PortNumber>
<ServiceEnable></ServiceEnable>
<Fallback></Fallback>
</DNSListener>
</DNSListeners>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	DNSListeners
Table type	Multi-instance table
Row name	DNSListener
Restrictions	Only DNS Listener can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the DNS listener.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
VRF	VRF name.	N/A	String, Length: 0 to 31 characters. By default, no VRF is specified.	The null string indicates public network.
Ipv4Address	IPv4 address.	N/A	String. Dotted decimal notation. By default, no IPv4 address is specified.	Example: 1.1.1.1. Loopback addresses, multicast addresses and broadcast addresses are not supported, and addresses such as 0.x.x.x are not supported either.
Ipv6Address	IPv6 address.	N/A	Hexadecimal string, colon-separated. By default, no IPv6 address is specified.	Example: 2::2. Loopback addresses, multicast addresses and link local addresses are not supported.
PortNumber	Number of port.	N/A	Unsigned integer. Value range: 1 to 65535. By default, the value	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			is 53.	
IPv6PortNumber	Number of IPv6 port.	N/A	Unsigned integer. Value range: 1 to 65535. By default, the value is 53.	N/A
ServiceEnable	Enable the DNS listener.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
Fallback	Fallback action.	N/A	Enumeration: <ul style="list-style-type: none"> 0—No-response. 1—Reject(default). 2—Dns proxy. 	N/A

LB/DNSProxies

This table contains information about DNS proxies.

XML structure

```

<LB>
  <DNSProxies>
    <DNSProxy>
      <Name></Name>
      <Type></Type>
      <VRF></VRF>
      <PortNumber></PortNumber>
      <ServiceEnable></ServiceEnable>
      <DefaultDNSServerPool></DefaultDNSServerPool>
      <Policy></Policy>
      <BusyProtectEnable></BusyProtectEnable>
      <ConnSynEnable></ConnSynEnable>
      <StickySynEnable></StickySynEnable>
      <StickyGroup></StickyGroup>
      <Ipv4Address></Ipv4Address>
      <Ipv4PrefixLength></Ipv4PrefixLength>
      <Ipv6Address></Ipv6Address>
      <Ipv6PrefixLength></Ipv6PrefixLength>
    </DNSProxy>
  </DNSProxies>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	DNSProxies
Table type	Multi-instance table
Row name	DNSProxy
Restrictions	Only DNS proxy can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the DNS proxy.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
VRF	VRF name.	N/A	String, Length: 0 to 31 characters. By default, no VRF is specified.	The null string indicates public network.
Type	Type of the DNS proxy	N/A	Enumeration: <ul style="list-style-type: none"> 0—UDP 	When a DNS proxy is created, the column must be specified. Once created, this column cannot be changed.
PortNumber	Number of port.	N/A	Unsigned integer. Value range: 1 to 65535. By default, the value is 53.	N/A
ServiceEnable	Enable the DNS proxy.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
DefaultDNS ServerPool	Name of the default DNS server pool.	N/A	String, case-insensitive. <ul style="list-style-type: none"> Length: 1 to 63 characters. 	N/A
Policy	Name of the policy.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
BusyProtect Enable	Enable bandwidth busy protection.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 1—Enable. 	
ConnSynEnable	Enable the connection synchronization.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
StickySynEnable	Enable the sticky synchronization.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
StickyGroup	Name of the sticky group.	N/A	String, case-insensitive. Length: 1 to 63 characters.	This column cannot be configured if the DefaultDNSServerPool is not configured.
Ipv4Address	IPv4 address.	N/A	String. Dotted decimal notation. By default, no IPv4 address is specified.	Example: 1.1.1.1. Loopback addresses, multicast addresses, broadcast addresses, and addresses such as 0.x.x.x with mask length 32 are not supported.
Ipv4PrefixLength	IPv4 mask length.	N/A	Unsigned integer. Value range: 0 to 32. By default, the value is 32.	The column cannot be configured if no IPv4 address is configured.
Ipv6Address	IPv6 address.	N/A	Hexadecimal string, colon-separated. By default, no IPv6 address is specified.	Example: 2::2. Loopback addresses, multicast addresses and link-local addresses are not supported.
Ipv6PrefixLength	IPv6 prefix length.	N/A	Unsigned integer. Value range: 0 to 128. By default, the value is 128.	The column cannot be configured if no IPv6 address is configured.

LB/DNSServers

This table contains information about DNS server.

XML structure

```

<LB>
  <DNSServers>
    <DNSServer>
      <Name></Name>
      <Description></Description>
      <AutoAllocAddress></AutoAllocAddress>
      <Ipv4Address></Ipv4Address>
      <Ipv6Address></Ipv6Address>
      <PortNumber></PortNumber>
      <DNSServerPool></DNSServerPool>
    </DNSServer>
  </DNSServers>
</LB>

```



```

    <Link></Link>
    <Weight></Weight>
    <Priority></Priority>
    <ProbeSuccessCriteria></ProbeSuccessCriteria>
  </DNSServer>
</DNSServers>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	DNSServers
Table type	Multi-instance table
Row name	DNSServer
Restrictions	Only DNS server can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the DNS server.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the DNS server.	N/A	String. Length: 1 to 127 characters.	The null string indicates the label is not configured.
AutoAllocAddress	Automatic allocable address for DNS server. Include IPv4 address and IPv6 address.	N/A	enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	This column cannot be configured with Ipv4Address or Ipv6Address at the same time.
Ipv4Address	IPv4 address.	N/A	String. Dotted decimal notation. By default, no IPv4 address is specified.	Example: 1.1.1.1. Loopback addresses, multicast addresses, broadcast addresses are not supported, and address such as 0.x.x.x are not supported either. This column cannot be configured with AutoAllocAddress at the same time.
Ipv6Address	IPv6 address.	N/A	Hexadecimal string, colon-separated. By default, no IPv6 address is specified.	Example: 2::2. Loopback address, multicast address, link local address and 0::0 address are not supported. This column cannot be configured

Column name	Column description	Column type	Data type and restrictions	Remarks
				with AutoAllocAddress at the same time.
PortNumber	Number of port.	N/A	Unsigned integer. Value range: 0 to 65535. By default, the value is 0.	N/A
DNSServerPool	Name of the DNS server pool.	N/A	String, case-insensitive. Length: 1 to 63 characters. By default, no DNS server pool is specified.	N/A
Link	Name of the Link.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
Weight	Weight of the DNS server.	N/A	Unsigned integer. Value range: 1 to 255. By default, the value is 100.	A larger value means a higher weight.
Priority	Priority of the DNS server.	N/A	Unsigned integer. Value range: 1 to 8. By default, the value is 4.	A larger value means a higher priority.
ProbeSuccessCriteria	Probe success criteria for the real server.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. By default, the value is 0 which indicates that probe success criteria is all.	N/A

LB/DNSServerProbes

This table contains information about DNS server probe that only uses NQA template.

XML structure

```

<LB>
  <DNSServerProbes>
    <DNSServerProbe>
      <DNSServer></DNSServer>
      <Probe></Probe>
    </DNSServerProbe>
  </DNSServerProbes>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	DNSServerProbes
Table type	Multi-instance table
Row name	DNSServerProbe
Restrictions	Only DNS server probe can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DNSServer	Name of the DNS server.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Probe	Probe method for the DNS server.	Index	String, case-insensitive. Length: 1 to 32 characters.	N/A

LB/DNSServerPools

This table contains information about DNS server pool.

XML structure

```
<LB>
  <DNSServerPools>
    <DNSServerPool>
      <Name></Name>
      <Description></Description>
      <Predictor></Predictor>
      <HashIpv4PrefixLength></HashIpv4PrefixLength>
      <HashIpv6PrefixLength></HashIpv6PrefixLength>
      <SelectServerMinNumber></SelectServerMinNumber>
      <SelectServerMaxNumber></SelectServerMaxNumber>
      <ProbeSuccessCriteria></ProbeSuccessCriteria>
    </DNSServerPool>
  </DNSServerPools>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	DNSServerPools
Table type	Multi-instance table
Row name	DNSServerPool
Restrictions	Only DNS server pool can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the DNS server pool.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the DNS server pool.	N/A	String. Length: 1 to 127 characters.	The null string indicates the label is not configured.
Predictor	Predictor algorithm for LB to select a DNS server to a DNS request.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Round-robin (default). 1—Random. 2—Bandwidth. 3—Inbound bandwidth. 4—Outbound bandwidth. 5—Max bandwidth. 6—Max inbound bandwidth. 7—Max outbound bandwidth. 8—Hash source address. 9—Hash source port. 10—Hash destination address. 	N/A
HashIpv4PrefixLength	Length of IPv4 address mask for hash algorithm.	N/A	Unsigned integer. Value range: 0 to 32. By default, the value is 32.	The column can only be configured when the Predictor is hash source address (3), hash source port (4) and hash destination address (5).
HashIpv6PrefixLength	Length of IPv6 address mask for hash algorithm.	N/A	Unsigned integer.	The column can only be configured

Column name	Column description	Column type	Data type and restrictions	Remarks
efixLength	address prefix for hash algorithm.		Value range: 0 to 128. By default, the value is 128. Unsigned integer.	when the Predictor hash source address (3), hash source port (4) and hash destination address (5).
SelectServerMinNumber	Minimum number of the active DNS server in the DNS server pool.	N/A	Value range: 1 to 1000. By default, the column is not configured which indicates only the real server of highest priority can be dispatched.	If one of SelectServerMinNumber and SelectServerMaxNumber is not configured, the other cannot be configured. The value of SelectServerMaxNumber must be greater or equal than SelectServerMinNumber.
SelectServerMaxNumber	Maximum number of the active DNS server in the DNS server pool.	N/A	Unsigned integer. Value range: 1 to 1000. By default, the column is not configured.	If one of SelectServerMinNumber and SelectServerMaxNumber is not configured, the other cannot be configured. The value of SelectServerMaxNumber must be greater or equal than SelectServerMinNumber.
ProbeSuccessCriteria	The condition that DNS server is available through probes.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. By default, the value is 0.	By default, indicates that when DNS server is available, all results of probes must be success.

LB/DNSServerPoolProbes

This table contains information about DNS server pool probe that only uses NQA template.

XML structure

```

<LB>
  <DNSServerPoolProbes>
    <DNSServerPoolProbe>
      <DNSServerPool></DNSServerPool>
      <Probe></Probe>
    </DNSServerPoolProbe>
  </DNSServerPoolProbes>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	DNSServerPoolProbes
Table type	Multi-instance table

Row name	DNSServerPoolProbe
Restrictions	Only DNS server pool probe can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DNSServerPool	Name of the DNS server pool.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Probe	Probe method for the DNS server pool.	Index	String, case-insensitive. Length: 1 to 32 characters.	N/A

LB/Log

This table contains information about LB logs.

XML structure

```

<LB>
  <Log>
    <BaseEnable></BaseEnable>
    <NatEnable></NatEnable>
    <BandwidthBusyEnable></BandwidthBusyEnable>
  </Log>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	Log
Table type	Single-instance table
Row name	N/A
Restrictions	Only log can be gotten by this table.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BaseEnable	Enable the base log of LB.	N/A	Enumeration: <ul style="list-style-type: none">0—Disable.1—Enable (default).	N/A
NatEnable	Enable the NAT log of LB.	N/A	Enumeration: <ul style="list-style-type: none">0—Disable (default).1—Enable.	N/A
BandwidthBusyEnable	Enable the bandwidth busy log of LB.	N/A	Enumeration: <ul style="list-style-type: none">0—Disable (default).1—Enable.	N/A

LB/SnatArpInterfaces

This table contains information about SNAT interfaces.

XML structure

```
<LB>
  <SnatArpInterfaces>
    <SnatArpInterface>
      <SnatName></SnatName>
      <IfList>
        <IfIndex></IfIndex>
      </IfList>
    </SnatArpInterface>
  </SnatArpInterfaces>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	SnatArpInterfaces
Table type	Multi-instance table
Row name	SnatArpInterface
Restrictions	Only SNAT interfaces can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SnatName	Name of the SNAT pool.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
IfList	Interface index list	Data structure	Members include: <ul style="list-style-type: none">IfIndex.	N/A
IfIndex	Interface index	N/A	Unsigned integer	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.

LB/VServerArpInterfaces

This table contains information about virtual server interfaces.

XML structure

```
<LB>
  <VServerArpInterfaces>
    <VServerArpInterface>
      <VServerName></VServerName>
      <IfList>
        <IfIndex></IfIndex>
      </IfList>
    </VServerArpInterface>
  </VServerArpInterfaces>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	VServerArpInterfaces
Table type	Multi-instance table
Row name	VServerArpInterface
Restrictions	Only virtual server interfaces can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VServerName	Name of the virtual server.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
IfList	Interface index list	Data structure	Members include: <ul style="list-style-type: none">IfIndex.	N/A
IfIndex	Interface index	N/A	Unsigned integer	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.

LB/ProbeTemplate

This table contains information about probe template that is used for proximity.

XML structure

```
<LB>
  <ProbeTemplates>
    <ProbeTemplate>
      <Name></Name>
      <Type></Type>
      <Frequency></Frequency>
      <Timeout></Timeout>
    </ProbeTemplate>
  </ProbeTemplates>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	ProbeTemplate
Table type	Multi-instance table
Row name	N/A
Restrictions	Only probe template can be gotten by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the probe template.	Index	String, case-insensitive. Length: 1 to 32 characters.	N/A
Type	Type of the probe template.	N/A	Enumeration: <ul style="list-style-type: none">0—ICMP.	When a probe template is created, the column must be specified.
Frequency	Frequency of the probe template.	N/A	Unsigned integer. Value range: 5 to 604800. Unit: second. By default, the value is 300s.	N/A
Timeout	Timeout time of the probe template.	N/A	Unsigned integer. Value range: 1 to 60. Unit: second. By default, the value is 3s.	N/A

LB/ISPWhoisMntners

This table contains information about ISP whois-mntner.

XML structure

```
<LB>
  <ISPWhoisMntners>
    <ISPWhoisMntner>
      <ISPName></ISPName>
      <WhoisMntner></WhoisMntner>
    </ISPWhoisMntner>
  </ISPWhoisMntners>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	ISPWhoisMntner
Table type	Multi-instance table
Row name	ISPWhoisMntner

Restrictions	Only ISP whois-mntner can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ISPName	Name of the ISP.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
WhoisMntner	Name of the whois-mntner.	Index	String, case-sensitive. Length: 1 to 63 characters.	Number of mntner objects in the ISP cannot exceed the limit 10. A whois-mntner object only can be configured by one ISP.

LB/ISPUpdate

This table contains information about ISP update.

XML structure

```

<LB>
  <ISPUpdate>
    <Enable></Enable>
    <Frequency></Frequency>
    <Type></Type>
    <Domain></Domain>
    <Ipv4Address></Ipv4Address>
  </ISPUpdate>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	ISPUpdate
Table type	Single-instance table
Row name	N/A
Restrictions	Only ISP update can be configured by this table.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Enable	Enable the ISP update.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A
Frequency	Frequency of ISP update.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Per-day. 1—Per-week (default). 2—Per-month. 	N/A
Type	Type of the whois server.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Domain. 1—IPv4 address. 	N/A
Domain	Domain of the maintainer.	N/A	String, case-insensitive. Length: 1 to 253 characters. By default, no domain is specified.	The string can contain letters, numbers, hyphens (-), underscores (_), and dots (.). This column can be configured only when the type is Domain(0).
Ipv4Address	Address of the maintainer.	N/A	String. Dotted decimal notation. By default, no IPv4 address is specified.	Example: 1.1.1.1. Loopback addresses, multicast addresses, broadcast addresses, and addresses such as 0.x.x.x are not supported. This column can be configured only when the type is IPv4 address(1).

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LB

LB/HTTPVirtualServers

This table contains information about HTTP and fast HTTP virtual servers.

XML structure

```
<LB>
  <HTTPVirtualServers>
    <HTTPVirtualServer>
      <Name></Name>
      <Type></Type>
      <Description></Description>
      <VRF></VRF>
      <Ipv4Address></Ipv4Address>
      <Ipv6Address></Ipv6Address>
      <PortNumber></PortNumber>
      <DefaultServerFarm></DefaultServerFarm>
      <BackupServerFarm></BackupServerFarm>
      <StickyGroup></StickyGroup>
      <Policy></Policy>
      <IPParameter></IPParameter>
      <TCPParameter></TCPParameter>
      <HTTPParameter></HTTPParameter>
      <OneConnectParameter></OneConnectParameter>
      <MaxConnectionLimit></MaxConnectionLimit>
      <RateLimitConnection></RateLimitConnection>
      <RateLimitBandwidth></RateLimitBandwidth>
      <SSLServerPolicy></SSLServerPolicy>
      <SSLClientPolicy></SSLClientPolicy>
      <RedirectRelocation></RedirectRelocation>
      <RedirectReturnCode></RedirectReturnCode>
      <ServiceEnable></ServiceEnable>
      <RateLimitInBandwidth></RateLimitInBandwidth>
      <RateLimitOutBandwidth></RateLimitOutBandwidth>
      <State></State>
      <ServerFarmInUse></ServerFarmInUse>
      <BusyProtectEnable></BusyProtectEnable>
      <RSBandwidthProtectOrigin></RSBandwidthProtectOrigin>
      <ConnSynEnable></ConnSynEnable>
      <StickySynEnable></StickySynEnable>
      <HTTPCompressionParameter></HTTPCompressionParameter>
      <LimitPolicy></LimitPolicy>
      <RouteAdvertisementEnable></RouteAdvertisementEnable>
    </HTTPVirtualServer>
  </HTTPVirtualServers>
</LB>
```

```

    </HTTPVirtualServers>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	HTTPVirtualServers
Table type	Multi-instance table
Row name	HTTPVirtualServer
Restrictions	Only HTTP and FASTHTTP virtual servers can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the virtual server.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
Type	Type of the virtual server.	N/A	Enumeration: <ul style="list-style-type: none"> 0—HTTP. 1—FASTHTTP 	N/A
Description	Description for the virtual server.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
VRF	VRF name.	N/A	String. Length: 0 to 31 characters.	The null string indicates a public network.
Ipv4Address	IPv4 address.	N/A	String. Dotted decimal notation.	Example: 1.1.1.1.
Ipv6Address	IPv6 address.	N/A	Hexadecimal string, colon-separated.	Example: 2::2.
PortNumber	Number of the port.	N/A	Unsigned integer. Value range: 1 to 65535.	N/A
DefaultServerFarm	Name of the default server farm.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
BackupServerFarm	Name of the backup server farm.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.

Column name	Column description	Column type	Data type and restrictions	Remarks
StickyGroup	Name of the sticky group.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
Policy	Name of the policy.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
IPParameter	Parameter whose type is IP for the virtual server.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
TCPParameter	Parameter whose type is TCP for the virtual server.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
HTTPParameter	Parameter whose type is HTTP for the virtual server.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
OneConnectParameter	Parameter whose type is OneConnect for the virtual server.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
MaxConnectionLimit	Maximum connection limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A
RateLimitConnection	Maximum connection rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: cps.	N/A
RateLimitBandwidth	Maximum bandwidth rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit : KB/s.	N/A
SSLServerPolicy	Name of the SSL server policy.	N/A	String, case-insensitive. Length: 0 to 31 characters.	The null string indicates the label is not configured.
SSLClientPolicy	Name of the SSL client policy.	N/A	String, case-insensitive. Length: 0 to 31 characters.	The null string indicates the label is not configured.
RedirectRelocation	Redirection URL.	N/A	String. Length: 0 to 63 characters.	The null string indicates the label is not configured.
RedirectRet	Redirection	N/A	Enumeration:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
urnCode	condition code.		<ul style="list-style-type: none"> 301—The requested resource has been permanently moved. 302—The requested resource has been temporarily moved. 	
ServiceEnable	Enable the virtual server.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
RateLimitInBandwidth	Inbound maximum bandwidth rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit : KB/s.	N/A
RateLimitOutBandwidth	Outbound maximum bandwidth rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit : KB/s.	N/A
State	State of the virtual server.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Unavailable. 1—Available. 2—Disable. 	N/A
ServerFarmInUse	Name of the server farm in use.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Default sever farm. 1—Backup server farm. 2—No server farm. 	N/A
BusyProtectEnable	Enable bandwidth busy protection.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
RSBandwidthProtectOrigin	Origin of real server bandwidth statistics that are used for bandwidth protection.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Using LB bandwidth statistics. 1—Using interface bandwidth statistics. 	N/A
ConnSynEnable	Enable connection synchronization.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
StickySynEnable	Enable sticky synchronization	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	n.		<ul style="list-style-type: none"> 1—Enable. 	
HTTPCompressionParameter	Parameter whose type is HTTP compression for the virtual server.	N/A	String, case-insensitive. Length: 1 to 63 characters.	This column can be configured only when the Type is HTTP (0).
LimitPolicy	Name of the limit policy.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
RouteAdvertisementEnable	Enable route advertisement.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A

LB/GenericVirtualServers

This table contains information about IP, TCP and UDP virtual servers.

XML structure

```

<LB>
  <GenericVirtualServers>
    <GenericVirtualServer>
      <Name></Name>
      <Type></Type>
      <Description></Description>
      <VRF></VRF>
      <Ipv4Address></Ipv4Address>
      <Ipv4PrefixLength></Ipv4PrefixLength>
      <Ipv6Address></Ipv6Address>
      <Ipv6PrefixLength></Ipv6PrefixLength>
      <PortNumber></PortNumber>
      <PortNumberList></PortNumberList>
      <DefaultServerFarm></DefaultServerFarm>
      <BackupServerFarm></BackupServerFarm>
      <DefaultLinkGroup></DefaultLinkGroup>
      <BackupLinkGroup></BackupLinkGroup>
      <StickyGroup></StickyGroup>
      <Policy></Policy>
      <IPParameter></IPParameter>
      <TCPParameter></TCPParameter>
      <SSLServerPolicy></SSLServerPolicy>
      <MaxConnectionLimit></MaxConnectionLimit>
      <RateLimitConnection></RateLimitConnection>
      <RateLimitBandwidth></RateLimitBandwidth>

```



```

<UDPPerPacket></UDPPerPacket>
<ServiceEnable></ServiceEnable>
<RateLimitInBandwidth></RateLimitInBandwidth>
<RateLimitOutBandwidth></RateLimitOutBandwidth>
<State></State>
<ServerFarmInUse></ServerFarmInUse>
<LinkGroupInUse></LinkGroupInUse>
<BusyProtectEnable></BusyProtectEnable>
<RSBandwidthProtectOrigin></RSBandwidthProtectOrigin>
<ConnSynEnable></ConnSynEnable>
<StickySynEnable></StickySynEnable>
<LimitPolicy></LimitPolicy>
<RouteAdvertisementEnable></RouteAdvertisementEnable>
</GenericVirtualServer>
</GenericVirtualServers>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	GenericVirtualServers
Table type	Multi-instance table
Row name	GenericVirtualServer
Restrictions	Only IP, TCP , UDP and LINK-IP virtual servers can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the virtual server.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
Type	Type of the virtual server.	N/A	Enumeration: <ul style="list-style-type: none"> 0—IP. 1—TCP. 2—UDP. 3—LINK-IP. 	N/A
Description	Description for the virtual server.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
VRF	VRF name.	N/A	String, Length: 0 to 31	The null string indicates a public network.

Column name	Column description	Column type	Data type and restrictions	Remarks
			characters.	
Ipv4Address	IPv4 address.	N/A	String. Dotted decimal notation.	Example: 1.1.1.1.
Ipv4PrefixLength	IPv4 mask length.	N/A	Unsigned integer. Value range: 0 to 32.	N/A
Ipv6Address	IPv6 address.	N/A	Hexadecimal string, colon-separated.	Example: 2::2.
Ipv6PrefixLength	IPv6 prefix length.	N/A	Unsigned integer. Value range: 0 to 128.	N/A
PortNumber	Number of the port.	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
PortNumber List	List of port numbers	N/A	Number string. It is a comma-separated list of ports. An item can be an individual port or a port range. Use a hyphen (-) to separate the start and end port of a range. The string cannot end with a comma or hyphen, or include any whitespace characters.	N/A
DefaultServerFarm	Name of the default server farm.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
BackupServerFarm	Name of the backup server farm.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
DefaultLink Group	Name of the default link group.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
BackupLink Group	Name of the backup link group.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
StickyGroup	Name of the sticky group.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
Policy	Name of the policy.	N/A	String, case-insensitive.	The null string indicates the label is not configured.

Column name	Column description	Column type	Data type and restrictions	Remarks
			Length: 0 to 63 characters	
IPParameter	Parameter whose type is IP for the virtual server.	N/A	String, case-insensitive. Length: 0 to 63 characters	The null string indicates the label is not configured.
TCPParameter	Parameter whose type is TCP for the virtual server.	N/A	String, case-insensitive. Length: 1 to 63 characters.	The null string indicates the label is not configured.
SSLServerPolicy	Name of the SSL server policy.	N/A	String, case-insensitive. Length: 0 to 31 characters.	The null string indicates the label is not configured.
MaxConnectionLimit	Maximum connection limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A
RateLimitConnection	Maximum connection rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: cps.	N/A
RateLimitBandwidth	Maximum bandwidth rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s	N/A
UDPPerPacket	Enable UDP per-packet load balancing.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
ServiceEnable	Enable the service of the virtual server.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
RateLimitInBandwidth	Inbound maximum bandwidth rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s	N/A
RateLimitOutBandwidth	Outbound maximum bandwidth rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s	N/A
State	State of the virtual server.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Unavailable. 1—Available. 2—Disable. 	N/A
ServerFarmInUse	Name of the server farm in use.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Default sever farm. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 1—Backup server farm. 2—No server farm. 	
LinkGroupIn Use	Name of the in use link group.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Default link group. 1—Backup link group. 2—No link group. 	N/A
BusyProtect Enable	Enable bandwidth busy protection.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
RSBandwidthProtectOrigin	Origin of real server bandwidth statistics that are used for bandwidth protection.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Using LB bandwidth statistics. 1—Using interface bandwidth. 	N/A
ConnSynEnable	Enable connection synchronization.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
StickySynEnable	Enable sticky synchronization.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
LimitPolicy	Name of the limit policy.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
RouteAdvertisementEnable	Enable route advertisement.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A

LB/RADIUSVirtualServers

This table contains information about RADIUS virtual servers.

XML structure

```

<LB>
  <RADIUSVirtualServers>
    <RADIUSVirtualServer>
      <Name></Name>
      <Type></Type>
    </RADIUSVirtualServer>
  </RADIUSVirtualServers>
</LB>

```

```

<Description></Description>
<VRF></VRF>
<Ipv4Address></Ipv4Address>
<Ipv6Address></Ipv6Address>
<PortNumberList></PortNumberList>
<DefaultServerFarm></DefaultServerFarm>
<BackupServerFarm></BackupServerFarm>
<StickyGroup></StickyGroup>
<Policy></Policy>
<IPParameter></IPParameter>
<MaxConnectionLimit></MaxConnectionLimit>
<RateLimitConnection></RateLimitConnection>
<RateLimitBandwidth></RateLimitBandwidth>
<UDPPerPacket></UDPPerPacket>
<ServiceEnable></ServiceEnable>
<RateLimitInBandwidth></RateLimitInBandwidth>
<RateLimitOutBandwidth></RateLimitOutBandwidth>
<State></State>
<ServerFarmInUse></ServerFarmInUse>
<BusyProtectEnable></BusyProtectEnable>
<RSBandwidthProtectOrigin></RSBandwidthProtectOrigin>
<ConnSynEnable></ConnSynEnable>
<StickySynEnable></StickySynEnable>
<LimitPolicy></LimitPolicy>
<RouteAdvertisementEnable></RouteAdvertisementEnable>
</RADIUSVirtualServer>
</RADIUSVirtualServers>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	RADIUSVirtualServers
Table type	Multi-instance table
Row name	RADIUSVirtualServer
Restrictions	Only RADIUS virtual servers can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the virtual server.	Index	String, case-insensitive. Length: 0 to 63	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			characters.	
Type	Type of the virtual server.	N/A	Enumeration: <ul style="list-style-type: none"> • 0—IP. • 1—TCP. • 2—UDP. • 3—LINK-IP. 	N/A
Description	Description for the virtual server.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
VRF	VRF name.	N/A	String, Length: 0 to 31 characters.	The null string indicates a public network.
Ipv4Address	IPv4 address.	N/A	String. Dotted decimal notation.	Example: 1.1.1.1.
Ipv6Address	IPv6 address.	N/A	Hexadecimal string, colon-separated.	Example: 2::2.
PortNumber List	List of port numbers	N/A	Number string. It is a comma-separated list of ports. An item can be an individual port or a port range. Use a hyphen (-) to separate the start and end port of a range. The string cannot end with a comma or hyphen, or include any whitespace characters.	N/A
DefaultServerFarm	Name of the default server farm.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
BackupServerFarm	Name of the backup server farm.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
StickyGroup	Name of the sticky group.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
Policy	Name of the policy.	N/A	String, case-insensitive. Length: 0 to 63 characters	The null string indicates the label is not configured.
IPParameter	Parameter whose type is	N/A	String, case-insensitive.	The null string indicates the label is not configured.

Column name	Column description	Column type	Data type and restrictions	Remarks
	IP for the virtual server.		Length: 0 to 63 characters	
MaxConnect ionLimit	Maximum connection limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A
RateLimitCo nnection	Maximum connection rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: cps.	N/A
RateLimitBa ndwidth	Maximum bandwidth rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s	N/A
UDPPerPac ket	Enable UDP per-packet load balancing.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
ServiceEna ble	Enable the service of the virtual server.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
RateLimitIn Bandwidth	Inbound maximum bandwidth rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s	N/A
RateLimitOu tBandwidth	Outbound maximum bandwidth rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s	N/A
State	State of the virtual server.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Unavailable. 1—Available. 2—Disable. 	N/A
ServerFarmI nUse	Name of the server farm in use.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Default sever farm. 1—Backup server farm. 2—No server farm. 	N/A
BusyProtect Enable	Enable bandwidth busy protection.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
RSBandwidt hProtectOrig in	Origin of real server bandwidth statistics that are used for	N/A	Enumeration: <ul style="list-style-type: none"> 0—Using LB bandwidth statistics. 1—Using 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	bandwidth protection.		interface bandwidth.	
ConnSynEnable	Enable connection synchronization.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
StickySynEnable	Enable sticky synchronization.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
LimitPolicy	Name of the limit policy.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
RouteAdvertisementEnable	Enable route advertisement.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A

LB/SIPVirtualServers

This table contains information about SIPUDP and SIPTCP virtual servers.

XML structure

```

<LB>
  <SIPVirtualServers>
    <SIPVirtualServer>
      <Name></Name>
      <Type></Type>
      <Description></Description>
      <VRF></VRF>
      <Ipv4Address></Ipv4Address>
      <Ipv6Address></Ipv6Address>
      <PortNumber></PortNumber>
      <DefaultServerFarm></DefaultServerFarm>
      <BackupServerFarm></BackupServerFarm>
      <StickyGroup></StickyGroup>
      <Policy></Policy>
      <IPParameter></IPParameter>
      <MaxConnectionLimit></MaxConnectionLimit>
      <RateLimitConnection></RateLimitConnection>
      <RateLimitBandwidth></RateLimitBandwidth>
      <UDPPerPacket></UDPPerPacket>
      <ServiceEnable></ServiceEnable>
      <RateLimitInBandwidth></RateLimitInBandwidth>
      <RateLimitOutBandwidth></RateLimitOutBandwidth>

```



```

<State></State>
<ServerFarmInUse></ServerFarmInUse>
<BusyProtectEnable></BusyProtectEnable>
<RSBandwidthProtectOrigin></RSBandwidthProtectOrigin>
<ConnSynEnable></ConnSynEnable>
<StickySynEnable></StickySynEnable>
<LimitPolicy></LimitPolicy>
<RouteAdvertisementEnable></RouteAdvertisementEnable>
</SIPVirtualServer>
</SIPVirtualServers >
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	SIPVirtualServers
Table type	Multi-instance table
Row name	SIPVirtualServer
Restrictions	Only SIP UDP and SIP TCP virtual servers can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the virtual server.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Type	Type of the virtual server.	N/A	Enumeration: <ul style="list-style-type: none"> 0—SIP-UDP. 1—SIP-TCP. 	N/A
Description	Description for the virtual server.	N/A	String. Length: 1 to 127 characters.	The null string indicates the label is not configured.
VRF	VRF name.	N/A	String, Length: 1 to 31 characters.	The null string indicates a public network.
Ipv4Address	IPv4 address.	N/A	String. Dotted decimal notation.	Example: 1.1.1.1.
Ipv6Address	IPv6 address.	N/A	Hexadecimal string, colon-separated.	Example: 2::2.
PortNumber	Number of the	N/A	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	port.		Value range: 0 to 65535.	
DefaultServerFarm	Name of the default server farm.	N/A	String, case-insensitive. Length: 1 to 63 characters.	The null string indicates the label is not configured.
BackupServerFarm	Name of the backup server farm.	N/A	String, case-insensitive. Length: 1 to 63 characters.	The null string indicates the label is not configured.
StickyGroup	Name of the sticky group.	N/A	String, case-insensitive. Length: 1 to 63 characters.	The null string indicates the label is not configured.
Policy	Name of the policy.	N/A	String, case-insensitive. Length: 1 to 63 characters	The null string indicates the label is not configured.
IPParameter	Parameter whose type is IP for the virtual server.	N/A	String, case-insensitive. Length: 1 to 63 characters	The null string indicates the label is not configured.
MaxConnectionLimit	Maximum connection limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A
RateLimitConnection	Maximum connection rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: cps.	N/A
RateLimitBandwidth	Maximum bandwidth rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s	N/A
UDPPerPacket	Enable UDP per-packet load balancing.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
ServiceEnable	Enable the service of the virtual server.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
RateLimitInBandwidth	Inbound maximum bandwidth rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s	N/A
RateLimitOutBandwidth	Outbound maximum bandwidth rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			Unit: KB/s	
State	State of the virtual server.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Unavailable. 1—Available. 	N/A
ServerFarmInUse	Name of the server farm in use.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Default sever farm. 1—Backup server farm. 2—No server farm. 	N/A
BusyProtectEnable	Enable bandwidth busy protection.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
RSBandwidthProtectOrigin	Origin of real server bandwidth statistics that are used for bandwidth protection.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Using LB bandwidth statistics. 1—Using interface bandwidth statistics. 	N/A
ConnSynEnable	Enable connection synchronization.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
StickySynEnable	Enable sticky synchronization.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
LimitPolicy	Name of the limit policy.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
RouteAdvertisementEnable	Enable route advertisement.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A

LB/VirtualServerSummaries

This table contains summary information about virtual server.

XML structure

```
<LB>
  <VirtualServerSummaries>
    <VirtualServerSummary>
```

```

<Name></Name>
<Type></Type>
<VRF></VRF>
<Ipv4Address></Ipv4Address>
<Ipv4PrefixLength></Ipv4PrefixLength>
<Ipv6Address></Ipv6Address>
<Ipv6PrefixLength></Ipv6PrefixLength>
<PortNumber></PortNumber>
<ServiceEnable></ServiceEnable>
<State></State>
<BusyProtectEnable></BusyProtectEnables>
<RSBandwidthProtectOrigin></RSBandwidthProtectOrigins>
</VirtualServerSummary>
</VirtualServerSummaries>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	VirtualServerSummaries
Table type	Multi-instance table
Row name	VirtualServerSummary
Restrictions	Only summaries of virtual server can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the virtual server.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
Type	Type of the virtual server.	N/A	Enumeration: <ul style="list-style-type: none"> • 0—IP. • 1—TCP. • 2—UDP. • 3—HTTP. • 4—FASTHTTP. • 5—LINK-IP. • 8—SIP-UDP. • 9—SIP-TCP. 	N/A
VRF	VRF name.	N/A	String, Length: 0 to 31 characters.	The null string indicates public network.

Column name	Column description	Column type	Data type and restrictions	Remarks
Ipv4Address	IPv4 address.	N/A	String. Dotted decimal notation.	Example: 1.1.1.1.
Ipv4PrefixLength	IPv4 mask length.	N/A	Unsigned integer. Value range: 0 to 32.	N/A
Ipv6Address	IPv6 address.	N/A	Hexadecimal string, colon-separated.	Example: 2::2.
Ipv6PrefixLength	IPv6 prefix length.	N/A	Unsigned integer. Value range: 0 to 128.	N/A
PortNumber	Number of port.	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
ServiceEnable	Enable the virtual server.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
State	State of the virtual server.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Unavailable. 1—Available. 	N/A
BusyProtectEnable	State of the busy protect.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Unavailable. 1—Available. 	N/A
RSBandwidthProtectOrigin	Source of the virtual server bandwidth	N/A	Enumeration: <ul style="list-style-type: none"> 0—LB. 0—interface. 	N/A

LB/VirtualServerStats

This table contains stat information about virtual server.

XML structure

```

<LB>
  <VirtualServerStats>
    <VirtualServerStat>
      <Name></Name>
      <ChassisID></ChassisID>
      <SlotID></SlotID>
      <CPUID></CPUID>
      <TotalConnections></TotalConnections>
      <ActiveConnections></ActiveConnections>
      <MaxConnections></MaxConnections>
      <ConnectionsPerSec></ConnectionsPerSec>

```

```

    <MaxConnectionPerSec></MaxConnectionPerSec>
    <ClientSidePKTsIn></ClientSidePKTsIn>
    <ClientSidePKTSOut></ClientSidePKTSOut>
    <DroppedPackets></DroppedPackets>
    <ClientSideBytesIn></ClientSideBytesIn>
    <ClientSideBytesOut></ClientSideBytesOut>
    <Bandwidth></Bandwidth>
    <MaxBandwidth></MaxBandwidth>
    <ReceivedRequests></ReceivedRequests>
    <DroppedRequests></DroppedRequests>
    <SentResponses></SentResponses>
    <DroppedResponses></DroppedResponses>
    <InBandwidth></InBandwidth>
    <OutBandwidth></OutBandwidth>
    <InMaxBandwidth></InMaxBandwidth>
    <OutMaxBandwidth></OutMaxBandwidth>
  </VirtualServerStat>
</VirtualServerStats>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	VirtualServerStats
Table type	Multi-instance table
Row name	VirtualServerStat
Restrictions	Only stats of virtual server can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the virtual server.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
ChassisID	ID of the device that holds the card.	Index	Unsigned integer. Value range: 0 to 255.	N/A
SlotID	Member ID of the card on device.	Index	Unsigned integer. Value range: 0 to 255.	N/A
CPUID	ID of the CPU on the card.	N/A	Unsigned integer. Value range: 0 to 255.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
TotalConnections	Total connections that the virtual server received.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
ActiveConnections	Active connections that the virtual server received.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A
MaxConnections	Max connections that the virtual server received.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A
ConnectionsPerSec	Connections per second that the virtual server received.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: cps.	N/A
MaxConnectionPerSec	Max connections per second that the virtual server received.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: cps.	N/A
ClientSidePKTsIn	Number of packets that the virtual server received from client.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
ClientSidePKTsOut	Number of packets that the virtual server sent to client.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
DroppedPackets	Number of packets that the virtual server dropped.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
ClientSideBytesIn	Number of bytes that the virtual server received from client.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$. Unit: Byte.	N/A
ClientSideBytesOut	Number of bytes that the virtual server sent to client.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$. Unit: Byte.	N/A
Bandwidth	Bandwidth of the virtual	N/A	Unsigned integer. Value range: 0 to	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	server.		$2^{32}-1$. Unit: KB/s.	
MaxBandwidth	Max bandwidth of the virtual server.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
ReceivedRequests	Number of requests that the virtual server received from client.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
DroppedRequests	Number of requests that the virtual server dropped.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
SentResponses	Number of responses that the virtual server sent to client.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
DroppedResponses	Number of responses that the virtual server dropped.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
InBandwidth	Inbound Bandwidth of the virtual server.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
OutBandwidth	Outbound Bandwidth of the virtual server.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
InMaxBandwidth	Inbound Max bandwidth of the virtual server.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
OutMaxBandwidth	Outbound Max bandwidth of the virtual server.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A

LB/RealServers

This table contains information about real server.

XML structure

```
<LB>
  <RealServers>
    <RealServer>
      <Name></Name>
      <Description></Description>
      <Ipv4Address></Ipv4Address>
      <Ipv6Address></Ipv6Address>
      <PortNumber></PortNumber>
      <Weight></Weight>
      <Priority></Priority>
      <ServerFarm></ServerFarm>
      <Shutdown></Shutdown>
      <MaxConnectionLimit></MaxConnectionLimit>
      <RateLimitConnection></RateLimitConnection>
      <RateLimitHTTPRequest></RateLimitHTTPRequest>
      <RateLimitBandwidth></RateLimitBandwidth>
      <ProbeSuccessCriteria></ProbeSuccessCriteria>
      <State></State>
      <RateLimitInBandwidth></RateLimitInBandwidth>
      <RateLimitOutBandwidth></RateLimitOutBandwidth>
      <InBandwidthBusyRatio></InBandwidthBusyRatio>
      <OutBandwidthBusyRatio></OutBandwidthBusyRatio>
      <BandwidthBusyRatio></BandwidthBusyRatio>
      <InBandwidthBusyRecoverRatio></InBandwidthBusyRecoverRatio>
      <OutBandwidthBusyRecoverRatio></OutBandwidthBusyRecoverRatio>
      <BandwidthBusyRecoverRatio></BandwidthBusyRecoverRatio>
      <Cost></Cost>
      <MaxBandwidth></MaxBandwidth>
      <InMaxBandwidth></InMaxBandwidth>
      <OutMaxBandwidth></OutMaxBandwidth>
      <VRF></VRF>
      <InheritVPN></InheritVPN>
    </RealServer>
  </RealServers>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	RealServers
Table type	Multi-instance table
Row name	RealServer
Restrictions	Only Real server can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the real server.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
Description	Description of the real server.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
Ipv4Address	IPv4 address.	N/A	String. Dotted decimal notation.	Example: 1.1.1.1.
Ipv6Address	IPv6 address.	N/A	Hexadecimal string, colon-separated.	Example: 2::2.
PortNumber	Number of port.	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
Weight	Weight of the real server.	N/A	Unsigned integer. Value range: 1 to 255.	N/A
Priority	Priority of the real server.	N/A	Unsigned integer. Value range: 1 to 8.	N/A
ServerFarm	Name of the server farm.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
Shutdown	Shutdown state for the real server.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Not configured. 1—Shutdown. 2—Slow-shutdown. 	N/A
MaxConnectionLimit	Maximum connections limit number.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A
RateLimitConnection	Maximum connections rate limit number.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: cps.	N/A
RateLimitHTTPRequest	Maximum HTTP request rate limit.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: qps.	N/A
RateLimitBandwidth	Maximum bandwidth rate	N/A	Unsigned integer. Value range: 0 to	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	limit number.		$2^{32}-1$. Unit: KB/s.	
ProbeSuccessCriteria	Probe success criteria for the real server.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A
State	State of the real server.	N/A	Enumeration: <ul style="list-style-type: none"> • 0—Unavailable. • 1—Available. • 2—Slow-shutdown. • 3—Shutdown. • 4—Probe-failed. • 5—Standby. • 6—Ramp. • 8—Busy. 	N/A
RateLimitInBandwidth	Inbound maximum bandwidth rate limit number.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
RateLimitOutBandwidth	Outbound maximum bandwidth rate limit number.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
InBandwidthBusyRatio	Inbound bandwidth busy ratio.	N/A	Unsigned integer. Value range: 1 to 100.	N/A
OutBandwidthBusyRatio	Outbound bandwidth busy ratio.	N/A	Unsigned integer. Value range: 1 to 100.	N/A
BandwidthBusyRatio	Total bandwidth busy ratio.	N/A	Unsigned integer. Value range: 1 to 100.	N/A
InBandwidthBusyRecoveryRatio	Inbound bandwidth busy recovery ratio.	N/A	Unsigned integer. Value range: 1 to 100. By default, the value is 60. The busy rate must be greater than or equal to the recovery rate.	N/A
OutBandwidthBusyRecoveryRatio	Outbound bandwidth busy recovery ratio.	N/A	Unsigned integer. Value range: 1 to 100. By default, the value is 60. The busy rate must be greater than or equal to the recovery rate.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
BandwidthBusyRecoverRatio	Total bandwidth busy recovery ratio.	N/A	Unsigned integer. Value range: 1 to 100. By default, the value is 60. The busy rate must be greater than or equal to the recovery rate.	N/A
Cost	The cost of link bandwidth.	NA	Unsigned integer. Value range: 0 to 10240.	N/A
MaxBandwidth	Max bandwidth.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
InMaxBandwidth	Max inbound bandwidth.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
OutMaxBandwidth	Max outbound bandwidth.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
VRF	VRF name	N/A	String, case-insensitive. Length: 0 to 31 characters.	N/A
InheritVPN	Inherit the VPN of virtual server	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable inherit the VPN (default). 1—Enable inherit the VPN. 	N/A

LB/RealServerProbes

This table contains information about Real Server Probe that only uses NQA template.

XML structure

```

<LB>
  <RealServerProbes>
    <RealServerProbe>
      <RealServer></RealServer>
      <Probe></Probe>
      <State></State>
    </RealServerProbe>
  
```

```

    </RealServerProbes>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	RealServerProbes
Table type	Multi-instance table
Row name	RealServerProbe
Restrictions	Only Real server probe can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RealServer	Name of the real server.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
Probe	Probe method for the real server.	Index	String, case-insensitive. Length: 0 to 32 characters.	N/A
State	State of the real server probe.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Not exist. 1—Success. 2—Failed. 3—In the process. 	N/A

LB/RealServerStats

This table contains stat information about real server.

XML structure

```

<LB>
  <RealServerStats>
    <RealServerStat>
      <Name></Name>
      <ChassisID></ChassisID>
      <SlotID></SlotID>
      <CPUID></CPUID>
      <TotalConnections></TotalConnections>
      <ActiveConnections></ActiveConnections>
      <MaxConnections></MaxConnections>
      <ConnectionsPerSec></ConnectionsPerSec>
    </RealServerStat>
  </RealServerStats>
</LB>

```

```

    <MaxConnectionPerSec></MaxConnectionPerSec>
    <ServerSidePKTsIn></ServerSidePKTsIn>
    <ServerSidePKTsOut></ServerSidePKTsOut>
    <DroppedPackets></DroppedPackets>
    <ServerSideBytesIn></ServerSideBytesIn>
    <ServerSideBytesOut></ServerSideBytesOut>
    <Bandwidth></Bandwidth>
    <MaxBandwidth></MaxBandwidth>
    <ReceivedRequests></ReceivedRequests>
    <DroppedRequests></DroppedRequests>
    <SentResponses></SentResponses>
    <DroppedResponses></DroppedResponses>
    <InBandwidth></InBandwidth>
    <OutBandwidth></OutBandwidth>
    <InMaxBandwidth></InMaxBandwidth>
    <OutMaxBandwidth></OutMaxBandwidth>
  </RealServerStat>
</RealServerStats>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	RealServerStats
Table type	Multi-instance table
Row name	RealServerStat
Restrictions	Only stats of real server can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the real server.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
ChassisID	ID of the device that holds the card.	Index	Unsigned integer. Value range: 0 to 255.	N/A
SlotID	Member ID of the card on device.	Index	Unsigned integer. Value range: 0 to 255.	N/A
CPUID	ID of the CPU on the card.	N/A	Unsigned integer. Value range: 0 to 255.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
TotalConnections	Total connections that the real server received.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
ActiveConnections	Active connections that the real server received.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A
MaxConnections	Max connections that the real server received.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A
ConnectionsPerSec	Connections per second that the real server received.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: cps.	N/A
MaxConnectionPerSec	Max connections per second that the real server received.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: cps.	N/A
ServerSidePKTsIn	Number of packets that the real server received from device.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
ServerSidePKTsOut	Number of packets that the real server sent.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
DroppedPackets	Number of packets that the real server dropped.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
ServerSideBytesIn	Number of bytes that the real server received from device.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$. Unit: Byte.	N/A
ServerSideBytesOut	Number of bytes that the real server sent.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$. Unit: Byte.	N/A
Bandwidth	Bandwidth of the real server.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
MaxBandwidth	Max bandwidth of the real server.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
ReceivedRequests	Number of requests that the real server received from device.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
DroppedRequests	Number of requests that the real server dropped.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
SentResponses	Number of responses that the real server sent to device.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
DroppedResponses	Number of responses that the real server dropped.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
InBandwidth	Inbound Bandwidth of the real server.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
OutBandwidth	Outbound Bandwidth of the real server.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
InMaxBandwidth	Inbound Max bandwidth of the real server.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
OutMaxBandwidth	Outbound Max bandwidth of the real server.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A

LB/ServerFarms

This table contains information about server farm.

XML structure

```

<LB>
  <ServerFarms>
    <ServerFarm>

```



```

<Name></Name>
<Description></Description>
<Predictor></Predictor>
<HashIpv4PrefixLength></HashIpv4PrefixLength>
<HashIpv6PrefixLength></HashIpv6PrefixLength>
<SelectServerMinNumber></SelectServerMinNumber>
<SelectServerMaxNumber></SelectServerMaxNumber>
<SlowOnlineEnable></SlowOnlineEnable>
<SlowOnlineStandbyTime></SlowOnlineStandbyTime>
<SlowOnlineRampUpTime></SlowOnlineRampUpTime>
<Transparent></Transparent>
<ActivateLower></ActivateLower>
<ActivateUpper></ActivateUpper>
<SNATPool></SNATPool>
<FailAction></FailAction>
<ProbeSuccessCriteria></ProbeSuccessCriteria>
<TotalRealServer></TotalRealServer>
<ActiveRealServer></ActiveRealServer>
<State></State>
<ProximityEnable></ProximityEnable>
<BusyAction></BusyAction>
<QueueLength></QueueLength>
<QueueTimeout></QueueTimeout>
<Offset></Offset>
<Length></Length>
<Start></Start>
<End></End>
</ServerFarm>
</ServerFarms>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	ServerFarms
Table type	Multi-instance table
Row name	ServerFarm
Restrictions	Only server farm can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the	Index	String,	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	server farm.		case-insensitive. Length: 0 to 63 characters.	
Description	Description of the server farm.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
Predictor	Predictor algorithm for LB to select a real server to serve a client request.	N/A	Enumeration: <ul style="list-style-type: none"> • 0—Round-robin. • 1—Random. • 2—Least-connection. • 3—Hash source address. • 4—Hash source port. • 5—Hash destination address. • 6—Bandwidth. • 7—Inbound bandwidth. • 8—Outbound bandwidth. • 9—Max bandwidth. • 10—Max inbound bandwidth. • 11—Max Outbound bandwidth. • 12—Dynamic round-robin. • 13—Least time. • 14—Hash HTTP. • 15—CARP HTTP. • 16—CARP source address. • 17—CARP source port. • 18—CARP destination address. 	N/A
HashIpv4PrefixLength	Length of IPv4 address mask for hash or CARP algorithm.	N/A	Unsigned integer. Value range: 0 to 32.	N/A
HashIpv6PrefixLength	Length of IPv6 address prefix for hash or CARP	N/A	Unsigned integer. Value range: 0 to 128.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	algorithm.			
SelectServerMinNumber	Minimum number of the active real server in the server farm.	N/A	Unsigned integer. Value range: 1 to 1000.	N/A
SelectServerMaxNumber	Maximum number of the active real server in the server farm.	N/A	Unsigned integer. Value range: 1 to 1000.	N/A
SlowOnlineEnable	Enable the server farm slow online.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
SlowOnlineStandbyTime	Standby time of the slow online.	N/A	Unsigned integer. Value range: 0 to 600. Unit: second.	N/A
SlowOnlineRampUpTime	Ramp up time of the slow online.	N/A	Unsigned integer. Value range: 3 to 600. Unit: second.	N/A
Transparent	Disable NAT for the server farm.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable 	N/A
ActivateLower	The status of main server farm will be changed from in use to backup when the ratio of the available real servers in main server farm becomes smaller than this value.	N/A	Unsigned integer. Value range: 1 to 99.	N/A
ActivateUpper	The status of main server farm will be changed from backup to in use when the ratio of the available real servers in main server farm reaches or over this value.		Unsigned integer. Value range: 1 to 99.	N/A
SNATPool	SNAT pool for the server farm.	N/A	String, case-insensitive. Length: 0 to 63	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			characters.	
FailAction	Specify the action that the LB takes with respect to connections if any real server fails in a server farm.	N/A	Enumeration: <ul style="list-style-type: none"> • 0—Keep. • 1—Reset. • 2—Reschedule. 	N/A
ProbeSuccessCriteria	The condition that real server is available through probes.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A
TotalRealServer	Total number of real servers in the server farm.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A
ActiveRealServer	Active number of real servers in the server farm.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A
State	State of the server farm.	N/A	Enumeration: <ul style="list-style-type: none"> • 0—Unavailable. • 1—Available. 	N/A
ProximityEnable	Enable the proximity.	N/A	Enumeration: <ul style="list-style-type: none"> • 0—Disable. • 1—Enable. 	N/A
BusyAction	Busy protection policies for server nodes	N/A	Enumeration: <ul style="list-style-type: none"> • 0—Drop. • 1—Enqueue. • 2—Force. 	N/A
QueueLength	Queue length for aging	N/A	Unsigned integer. Value range: 1 to 100000.	N/A
QueueTimeout	Node aging time	N/A	Unsigned integer. Value range: 0 to 60. Unit: second.	N/A
Offset	Offset to the first byte of the payload.	N/A	Unsigned integer. Value range: 0 to 1000.	N/A
Length	Length of the payload portion.	N/A	Unsigned integer. Value range: 0 to 1000.	N/A
Start	Beginning pattern for CARP.	N/A	String. Length: 0 to 127 characters.	N/A
End	Ending pattern	N/A	String.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	for CARP.		Length: 0 to 127 characters.	

LB/ServerFarmProbes

This table contains information about Server Farm Probe that only uses NQA template.

XML structure

```

<LB>
  <ServerFarmProbes>
    <ServerFarmProbe>
      <ServerFarm></ServerFarm>
      <Probe></Probe>
    </ServerFarmProbe>
  </ServerFarmProbes>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	ServerFarmProbes
Table type	Multi-instance table
Row name	ServerFarmProbe
Restrictions	Only server farm probe can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ServerFarm	Name of the server farm.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
Probe	Probe method for the server farm.	Index	String, case-insensitive. Length: 0 to 32 characters.	N/A

LB/ServerFarmStats

This table contains stat information about server farm.

XML structure

```
<LB>
  <ServerFarmStats>
    <ServerFarmStat>
      <Name></Name>
      <ChassisID></ChassisID>
      <SlotID></SlotID>
      <CPUID></CPUID>
      <TotalConnections></TotalConnections>
      <ActiveConnections></ActiveConnections>
      <ConnectionsPerSec></ConnectionsPerSec>
      <ServerSidePKTsIn></ServerSidePKTsIn>
      <ServerSidePKTsOut></ServerSidePKTsOut>
      <DroppedPackets></DroppedPackets>
      <ServerSideBytesIn></ServerSideBytesIn>
      <ServerSideBytesOut></ServerSideBytesOut>
      <Bandwidth></Bandwidth>
      <ReceivedRequests></ReceivedRequests>
      <DroppedRequests></DroppedRequests>
      <SentResponses></SentResponses>
      <DroppedResponses></DroppedResponses>
    </ServerFarmStat>
  </ServerFarmStats>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	RealServerStats
Table type	Multi-instance table
Row name	RealServerStat
Restrictions	Only stats of real server can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the server farm.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
ChassisID	ID of the device that	Index	Unsigned integer. Value range: 0 to 255.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	holds the card.			
SlotID	Member ID of the card on device.	Index	Unsigned integer. Value range: 0 to 255.	N/A
CPUID	ID of the CPU on the card.	N/A	Unsigned integer. Value range: 0 to 255.	N/A
TotalConnections	Total connections that the server farm received.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
ActiveConnections	Active connections that the server farm received.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A
ConnectionsPerSec	Connections per second that the server farm received.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: cps.	N/A
ServerSidePKTsIn	Number of packets that the server farm received from device.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
ServerSidePKTsOut	Number of packets that the server farm sent.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
DroppedPackets	Number of packets that the server farm dropped.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
ServerSideBytesIn	Number of bytes that the server farm received from device.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$. Unit: Byte.	N/A
ServerSideBytesOut	Number of bytes that the server farm sent.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$. Unit: Byte.	N/A
Bandwidth	Bandwidth of the server farm.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
ReceivedRequests	Number of requests that the server farm received from device.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
DroppedRe	Number of	N/A	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
quests	requests that the server farm dropped.		Value range: 0 to $2^{64}-1$.	
SentResponses	Number of responses that the server farm sent to device.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
DroppedResponses	Number of responses that the server farm dropped.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A

LB/SNAT Pools

This table contains information about SNAT pool.

XML structure

```

<LB>
  <SNATPools>
    <SNATPool>
      <Name></Name>
      <Description></Description>
      <Ipv4AddressStart></Ipv4AddressStart>
      <Ipv4AddressEnd></Ipv4AddressEnd>
      <Ipv6AddressStart></Ipv6AddressStart>
      <Ipv6AddressEnd></Ipv6AddressEnd>
    </SNATPool>
  </SNATPools>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	SNATPools
Table type	Multi-instance table
Row name	SNATPool
Restrictions	Only SNAT pool can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the SNAT Pool.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
Description	Description of the SNAT Pool.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
Ipv4Address Start	Start IPv4 address of the SNAT pool.	N/A	String. Dotted decimal notation.	Example: 1.1.1.1.
Ipv4Address End	End IPv4 address of the SNAT pool.	N/A	String. Dotted decimal notation.	Example: 1.1.1.1.
Ipv6Address Start	Start IPv6 address of the SNAT pool.	N/A	Hexadecimal string, colon-separated.	Example: 2::2.
Ipv6Address End	End IPv6 address of the SNAT pool.	N/A	Hexadecimal string, colon-separated.	Example: 2::2.

LB/IPParameters

This table contains information about IP parameter profile.

XML structure

```

<LB>
  <IPParameters>
    <IPParameter>
      <Name></Name>
      <Description></Description>
      <IPToS></IPToS>
    </IPParameter>
  </IPParameters>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	IPParameters
Table type	Multi-instance table

Row name	IPParameter
Restrictions	Only IP parameter profile information can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the parameter profile.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
Description	Description information of the parameter profile.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
IPToS	ToS number of the IP packet sent to client.	N/A	Unsigned integer. Value range: 0 to 255.	N/A

LB/TCPParameters

This table contains information about TCP parameter profile.

XML structure

```

<LB>
  <TCPParameters>
    <TCPParameter>
      <Name></Name>
      <Description></Description>
      <ExceedMSS></ExceedMSS>
      <WindowSize></WindowSize>
      <TimeWaitTime></TimeWaitTime>
      <IdleTimeout></IdleTimeout>
      <MSS></MSS>
    </TCPParameter>
  </TCPParameters>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	TCPParameters
Table type	Multi-instance table

Row name	TCPParameter
Restrictions	Only TCP parameter profile information can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the parameter profile.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
Description	Description of the parameter profile.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
ExceedMSS	Processing method when segments exceed the maximum segment size of TCP segment.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Permit. 1—Drop. 	N/A
WindowSize	Starting value of the receive window size.	N/A	Unsigned integer. Value range: 8192 to 65535.	N/A
TimeWaitTime	The time of TCP time-wait	N/A	Unsigned integer. Value range: 1 to 65535. Unit: second.	N/A
IdleTimeout	Timeout time of idle connections.	N/A	Unsigned integer. Value range: 10 to 86400. Unit: second.	The 0 indicates the label is not configured.
MSS	Maximum segment size of TCP segments.	N/A	Unsigned integer. Value range: 128 to 1460.	The 0 indicates the label is not configured.

LB/HTTPParameters

This table contains information about HTTP parameter profile.

XML structure

```

<LB>
  <HTTPParameters>
    <HTTPParameter>
      <Name></Name>

```

```

<Description></Description>
<RebalancePerRequest></RebalancePerRequest>
<ServerConnectionReuse></ServerConnectionReuse>
<CaseInsensitive></CaseInsensitive>
<HeaderModifyPerRequest></HeaderModifyPerRequest>
<HeaderMaxParseLength></HeaderMaxParseLength>
<ContentMaxParseLength></ContentMaxParseLength>
<SecondaryCookieDelimiters></SecondaryCookieDelimiters>
<SecondaryCookieStart></SecondaryCookieStart>
<ExceedLength></ExceedLength>
</HTTPParameter>
</HTTPParameters>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	HTTPParameters
Table type	Multi-instance table
Row name	HTTPParameter
Restrictions	Only HTTP parameter profile information can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the parameter profile.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
Description	Description of the parameter profile.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
RebalancePerRequest	Enable implement load balancing for each HTTP request.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
ServerConnectionReuse	Enable connections to persist and be reused by multiple client connections.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
CaseInsensitive	Disable case-sensitivity matching for	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	HTTP.		<ul style="list-style-type: none"> 1—Enable. 	
HeaderModifyPerRequest	Enable modify the HTTP header of every HTTP request or response.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
HeaderMaxParseLength	Maximum number of bytes to parse for cookies, HTTP headers, and URL.	N/A	Unsigned integer. Value range: 1 to 65535.	N/A
ContentMaxParseLength	Maximum number of bytes to parse for HTTP content.	N/A	Unsigned integer. Value range: 1 to 65535.	N/A
SecondaryCookieDelimiters	The delimiters used to separate secondary cookies.	N/A	String. Length: 1 to 4 characters.	Delimiter characters are defined to be one of the following: "!" "" "#" ";" "<" ">" "?" " [" "\" \"]" "\" ^" "\" " ":" "@" "&" "\$" "+" "*" "" "(" ")" " " "/" can be used for secondary cookies delimiters. And < should be transferred meaning by <; > should be transferred meaning by >; ' should be transferred meaning by '; " should be transferred meaning by ".
SecondaryCookieStart	Starting character of secondary cookies.	N/A	String. Length: 1 to 2 characters.	Delimiter characters are defined to be one of the following: "!" "" "#" ";" "<" ">" "?" " [" \"]" "\" ^" "\" can be used for secondary cookies delimiters. And < should be transferred meaning by <; > should be transferred meaning by >; ' should be transferred meaning by '; " should be transferred meaning by ".
ExceedLength	Processing method for HTTP requests or responses that exceed the	N/A	Enumeration: <ul style="list-style-type: none"> 0—Keep. 1—Drop. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	maximum parse length.			

LB/HTTPCompressionParameters

This table contains information about HTTP compression parameter profile.

XML structure

```

<LB>
  <HTTPCompressionParameters>
    <HTTPCompressionParameter>
      <Name></Name>
      <Level></Level>
      <Description></Description>
      <PreferMethod></PreferMethod>
      <ContentLengthThreshold></ContentLengthThreshold>
      <InsertVary></InsertVary>
      <RequestVersion></RequestVersion>
      <DeleteAcceptEncoding></DeleteAcceptEncoding>
      <MemorySize></MemorySize>
      <WindowSize></WindowSize>
    </HTTPCompressionParameter>
  </HTTPCompressionParameters>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	HTTPCompressionParameters
Table type	Multi-instance table
Row name	HTTPCompressionParameter
Restrictions	Only HTTP compression parameter profile can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the	Index	String, case-insensitive.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	parameter profile.		Length: 1 to 63 characters.	
Description	Description of the parameter profile.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
Level	Level of compress packet.	N/A	Unsigned integer: Value range: 1 to 9	N/A
PreferMethod	Prefer method of compression	N/A	Enumeration: <ul style="list-style-type: none"> 1—Gzip. 2—Deflate 	N/A
ContentLengthThreshold	Minimum number of bytes to compress the response packet.	N/A	Unsigned integer. Value range: 1 to $2^{32}-1$.	N/A
InsertVary	Enable insert vary header in HTTP response packet.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
RequestVersion	Enable compress the HTTP response of version 1.0.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
DeleteAcceptEncoding	Enable delete accept-encoding header in HTTP request packet.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
MemorySize	Memory size of compression.	N/A	Enumeration: <ul style="list-style-type: none"> 1—1KB. 2—2KB. 4—4KB. 8—8KB. 16—16KB. 32—32KB. 64—64KB. 	N/A
WindowSize	Window size of compression.	N/A	Enumeration: <ul style="list-style-type: none"> 1—1KB. 2—2KB. 4—4KB. 8—8KB. 16—16KB. 32—32KB. 	N/A

LB/OneConnectParameters

This table contains information about the OneConnect parameter profile.

XML structure

```
<LB>
  <OneConnectParameters>
    <OneConnectParameter>
      <Name></Name>
      <Description></Description>
      <MaxReuse></MaxReuse>
      <IdleTime></IdleTime>
      <Masktype></MaskType>
      <SourceMask></SourceMask>
    </OneConnectParameter>
  </OneConnectParameters>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	OneConnectParameters
Table type	Multi-instance table
Row name	OneConnectParameter
Restrictions	Only OneConnect parameter profile can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the parameter profile.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the parameter profile.	N/A	String. Length: 0 to 127 characters.	N/A
MaxReuse	Maximum reuse number	N/A	Unsigned integer. Value range: 1 to 4294967295. By default, the number	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			is 1000.	
IdleTime	Idle connection expiration time	N/A	Unsigned integer. Value range: 1 to 4294967295. By default, the time length is 86400.	N/A
MaskType	Type of source mask	N/A	Enumeration: <ul style="list-style-type: none"> 0—IPv4 1—IPv6 	N/A
SourceMask	Source mask to determine its eligibility for reuse.	N/A	Unsigned integer. IPv4 value range: 0 to 32. IPv6 value range: 0 to 128. By default, the value is 0.	N/A

LB/ HTTPCompressionParameterRules

This table contains information about HTTP compression parameter rule.

XML structure

```

<LB>
  <HTTPCompressionParameterRules>
    <HTTPCompressionParameterRule>
      <Name></Name>
      <ID></ID>
      <Type></Type>
      <FilterType></FilterType>
      <Expression></Expression>
    </HTTPCompressionParameterRule>
  </HTTPCompressionParameterRules>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	HTTPCompressionParameterRules
Table type	Multi-instance table
Row name	HTTPCompressionParameterRule
Restrictions	Only HTTP compression parameter rule can be configured by this table.

Support for row creation and deletion	Yes
---------------------------------------	-----

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the parameter.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
ID	ID of the match rule.	Index	Unsigned integer. Value range:1 to 65535.	N/A
Type	Type of the rule.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Permit. 1—Deny. 	N/A
FilterType	Filter type of the rule.	N/A	Enumeration: <ul style="list-style-type: none"> 0—URL. 1—Content. 	N/A.
Expression	Regular expression matched the filter type.	N/A	String. Length: 0 to 255 characters.	N/A

LB/ParameterSummaries

This table contains summary information about parameter profile.

XML structure

```

<LB>
  <ParameterSummaries>
    <ParameterSummary>
      <Name></Name>
      <Type></Type>
      <Description></Description>
    </ParameterSummary>
  </ParameterSummaries>
</LB>

```

Table description

Item	Description
Feature name	LB

Table name	ParameterSummaries
Table type	Multi-instance table
Row name	ParameterSummary
Restrictions	Only parameter profile summary information can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the parameter profile.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
Type	Type of parameter profile.	N/A	Enumeration: <ul style="list-style-type: none"> 0—IP. 1—TCP. 2—HTTP. 3—HTTP Compression Parameter. 	N/A
Description	Description of the parameter profile.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.

LB/AddressPortStickyGroups

This table contains information about address-port sticky groups.

XML structure

```

<LB>
  <AddressPortStickyGroups>
    <AddressPortStickyGroup>
      <Name></Name>
      <Description></Description>
      <Timeout></Timeout>
      <Ipv4MethodType></Ipv4MethodType>
      <Ipv4PrefixLength></Ipv4PrefixLength>
      <Ipv6MethodType></Ipv6MethodType>
      <Ipv6PrefixLength></Ipv6PrefixLength>
      <OverrideLimit></OverrideLimit>
      <PriorBusyEnable></PriorBusyEnable>
    </AddressPortStickyGroup>
  </AddressPortStickyGroups>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	AddressPortStickyGroups
Table type	Multi-instance table
Row name	AddressPortStickyGroup
Restrictions	Only address-port sticky groups information can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the sticky group.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
Description	Description of the sticky group.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
Timeout	Timeout time of the sticky group.	N/A	Unsigned integer. Value range: 10 to 604800. Unit: second	N/A
Ipv4MethodType	IPv4 sticky method of the address-port sticky group.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None. 1—Source IP stickiness. 2—Source IP port stickiness. 3—Destination IP stickiness. 4—Destination IP port stickiness. 5—Source IP and destination IP stickiness. 6—Source IP port and destination IP port stickiness. 	N/A
Ipv4PrefixLength	IPv4 mask for IPv4 sticky method.	N/A	Unsigned integer. Value range: 0 to 32.	N/A
Ipv6MethodType	IPv6 sticky method of the address-port sticky group.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None. 1—Source IPv6 stickiness. 2—Source IPv6 port stickiness. 3—Destination IPv6 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			stickiness. <ul style="list-style-type: none"> 4—Destination IPv6 port stickiness. 5—Source IPv6 and destination IPv6 stickiness. 6—Source IPv6 port and destination IPv6 port stickiness. 	
Ipv6PrefixLength	IPv6 prefix for IPv6 sticky method.	N/A	Unsigned integer. Value range: 0 to 128.	N/A
OverrideLimit	Ignore the limits for sessions that match sticky entries.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
PriorBusyEnable	Prior to busy action	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A

LB/RADIUSStickyGroups

This table contains information about RADIUS sticky groups.

XML structure

```

<LB>
  <RADIUSStickyGroups>
    <RADIUSStickyGroup>
      <Name></Name>
      <Description></Description>
      <Timeout></Timeout>
      <AttributeCode></AttributeCode>
      <OverrideLimit></OverrideLimit>
    </RADIUSStickyGroup>
  </RADIUSStickyGroups>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	RADIUSStickyGroups
Table type	Multi-instance table

Row name	RADIUSStickyGroup
Restrictions	Only RADIUS sticky groups can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the sticky group.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the sticky group.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
Timeout	Timeout time of the sticky group.	N/A	Unsigned integer. Value range: 10 to 604800. Unit: second.	N/A
AttributeCode	code of attribute	N/A	Unsigned integer. Value range: 1 to 255.	N/A
OverrideLimit	Ignore the limits for sessions that match sticky entries.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A

LB/PayloadStickyGroups

This table contains information about payload sticky groups.

XML structure

```

<LB>
  <PayloadStickyGroups>
    <PayloadStickyGroup>
      <Name></Name>
      <Description></Description>
      <Type></Type>
      <Timeout></Timeout>
      <Offset></Offset>
      <Length></Length>
      <Start></Start>
      <End></End>
      <OverrideLimit></OverrideLimit>
      <PriorBusyEnable></PriorBusyEnable>
    </PayloadStickyGroup>
  </PayloadStickyGroups>

```

</LB>

Table description

Item	Description
Feature name	LB
Table name	PayloadStickyGroups
Table type	Multi-instance table
Row name	PayloadStickyGroup
Restrictions	Only HTTP payload sticky groups can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the sticky group.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
Description	Description of the sticky group.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
Type	Sticky method of the payload sticky group.	N/A	Enumeration: <ul style="list-style-type: none">0—None.1—Payload stickiness.	N/A
Timeout	Timeout time of the sticky group.	N/A	Unsigned integer. Value range: 10 to 604800. Unit: second.	N/A
Offset	Offset to the first byte of the payload.	N/A	Unsigned integer. Value range: 0 to 1000.	N/A
Length	Length of the payload portion.	N/A	Unsigned integer. Value range: 0 to 1000.	N/A
Start	Beginning pattern for the payload stickiness.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
End	Ending pattern for the payload stickiness.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
OverrideLimit	Ignore the limits for sessions that match sticky entries.	N/A	Enumeration: <ul style="list-style-type: none">0—Disable.1—Enable.	N/A
PriorBusyEnable	Prior to busy action	N/A	Enumeration: <ul style="list-style-type: none">0—Disable.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 1—Enable. 	

LB/HTTPContentStickyGroups

This table contains information about HTTP content sticky groups.

XML structure

```

<LB>
  <HTTPContentStickyGroups>
    <HTTPContentStickyGroup>
      <Name></Name>
      <Description></Description>
      <Type></Type>
      <Timeout></Timeout>
      <Offset></Offset>
      <Length></Length>
      <Start></Start>
      <End></End>
      <OverrideLimit></OverrideLimit>
      <PriorBusyEnable></PriorBusyEnable>
    </HTTPContentStickyGroup>
  </HTTPContentStickyGroups>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	HTTPContentStickyGroups
Table type	Multi-instance table
Row name	HTTPContentStickyGroup
Restrictions	Only HTTP content sticky groups information can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the sticky group.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Description	Description of the sticky group.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
Type	Sticky method of the HTTP content sticky group.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None. 1—Content stickiness. 	N/A
Timeout	Timeout time of the sticky group.	N/A	Unsigned integer. Value range: 10 to 604800. Unit: second	N/A
Offset	Offset to the first byte of the HTTP content.	N/A	Unsigned integer. Value range: 0 to 1000.	N/A
Length	Length of the HTTP content.	N/A	Unsigned integer. Value range: 0 to 1000.	N/A
Start	Beginning pattern for the HTTP content stickiness.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
End	Ending pattern for the HTTP content stickiness.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
OverrideLimit	Ignore the limits for sessions that match sticky entries.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
PriorBusyEnable	Prior to busy action	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A

LB/HTTPCookieStickyGroups

This table contains information about HTTP cookie sticky groups.

XML structure

```

<LB>
  <HTTPCookieStickyGroups>
    <HTTPCookieStickyGroup>
      <Name></Name>
      <Description></Description>
      <Timeout></Timeout>
      <Type></Type>
      <CookieName></CookieName>
      <Offset></Offset>

```

```

<Length></Length>
<Start></Start>
<End></End>
<CookieSecondary></CookieSecondary>
<CheckAll></CheckAll>
<OverrideLimit></OverrideLimit>
<PriorBusyEnable></PriorBusyEnable>
</HTTPCookieStickyGroup>
</HTTPCookieStickyGroups>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	HTTPCookieStickyGroups
Table type	Multi-instance table
Row name	HTTPCookieStickyGroup
Restrictions	Only HTTP cookie sticky groups information can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the sticky group.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
Description	Description information for the sticky group.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
Timeout	Timeout time of the sticky group.	N/A	Unsigned integer. Value range: 0 to 31536000. Unit: second	N/A
Type	Sticky method of the HTTP cookie sticky group.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None. 1—Cookie insert stickiness. 2—Cookie rewrite stickiness 3—Cookie get stickiness 	N/A
CookieName	Name of the cookie.	N/A	String, case-insensitive. Length: 0 to 63 characters.	N/A
Offset	Offset to the	N/A	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	first byte of the HTTP cookie.		Value range: 0 to 1000.	
Length	Length of the HTTP cookie	N/A	Unsigned integer. Value range: 0 to 1000.	N/A
Start	Beginning pattern for the HTTP cookie stickiness	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
End	Ending pattern for the HTTP cookie stickiness.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
CookieSecondary	Name of the secondary cookie.	N/A	String. Length: 0 to 63 characters.	N/A
CheckAll	Enable the check option for an HTTP cookie type persistence group.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
OverrideLimit	Ignore the limits for sessions that match sticky entries.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
PriorBusyEnable	Prior to busy action	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A

LB/HTTPHeaderStickyGroups

This table contains information about HTTP header sticky groups.

XML structure

```

<LB>
  <HTTPHeaderStickyGroups>
    <HTTPHeaderStickyGroup>
      <Name></Name>
      <Description></Description>
      <Timeout></Timeout>
      <Type></Type>
      <HeaderName></HeaderName>
      <Offset></Offset>
      <Length></Length>
      <Start></Start>
      <End></End>
    
```

```

    <OverrideLimit></OverrideLimit>
    <PriorBusyEnable></PriorBusyEnable>
  </HTTPHeaderStickyGroup>
</HTTPHeaderStickyGroups>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	HTTPHeaderStickyGroups
Table type	Multi-instance table
Row name	HTTPHeaderStickyGroup
Restrictions	Only HTTP header sticky groups information can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the sticky group.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
Description	Description information for the sticky group.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
Timeout	Timeout time of the sticky group.	N/A	Unsigned integer. Value range: 10 to 604800. Unit: second	N/A
Type	Sticky method of the HTTP header sticky group.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None. 1—URL stickiness. 2—Host stickiness 3—Method stickiness 4—Version stickiness 5—Name stickiness 	N/A
HeaderName	Header name.	N/A	String, case-insensitive. Length: 0 to 63 characters.	N/A
Offset	Offset to the first byte of the HTTP header value.	N/A	Unsigned integer. Value range: 0 to 1000.	N/A
Length	Length of the HTTP header	N/A	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	value.		Value range: 0 to 1000.	
Start	Beginning pattern for the HTTP header value.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
End	Ending pattern for the HTTP header value.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
OverrideLimit	Ignore the limits for sessions that match sticky entries.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
PriorBusyEnable	Prior to busy action	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A

LB/SSLStickyGroups

This table contains information about SSL sticky groups.

XML structure

```

<LB>
  <SSLStickyGroups>
    <SSLStickyGroup>
      <Name></Name>
      <Description></Description>
      <Timeout></Timeout>
      <Type></Type>
      <OverrideLimit></OverrideLimit>
      <PriorBusyEnable></PriorBusyEnable>
    </SSLStickyGroup>
  </SSLStickyGroups>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	SSLStickyGroups
Table type	Multi-instance table
Row name	SSLStickyGroup
Restrictions	Only SSL sticky groups information can be

	gotten by this table.
--	-----------------------

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the sticky group.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
Description	Description information for the sticky group.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
Timeout	Timeout time of the sticky group.	N/A	Unsigned integer. Value range: 10 to 604800. Unit: second	N/A
Type	Sticky method of the SSL sticky group.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None. 1—SSL Session-ID stickiness. 	N/A
OverrideLimit	Ignore the limits for sessions that match sticky entries.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
PriorBusyEnable	Prior to busy action	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A

LB/SIPStickyGroups

This table contains information about SIP sticky groups.

XML structure

```

<LB>
  <SIPStickyGroups>
    <SIPStickyGroup>
      <Name></Name>
      <Description></Description>
      <Timeout></Timeout>
      <Type></Type>
      <OverrideLimit></OverrideLimit>
      <PriorBusyEnable></PriorBusyEnable>
    </SIPStickyGroup>
  </SIPStickyGroups>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	SIPStickyGroups
Table type	Multi-instance table
Row name	SIPStickyGroup
Restrictions	Only SIP sticky groups information can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the sticky group.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description information for the sticky group.	N/A	String. Length: 1 to 127 characters.	The null string indicates the label is not configured.
Timeout	Timeout time of the sticky group.	N/A	Unsigned integer. Value range: 10 to 604800. unit: second	N/A
Type	Sticky method of the SIP sticky group.	N/A	Enumeration: <ul style="list-style-type: none">0—None.1—SIP Call-ID stickiness.	N/A
OverrideLimit	Ignore the limits for sessions that match sticky entries.	N/A	Enumeration: <ul style="list-style-type: none">0—Disable.1—Enable.	N/A
PriorBusyEnable	Prior to busy action	N/A	Enumeration: <ul style="list-style-type: none">0—Disable.1—Enable.	N/A

LB/StickyGroupSummaries

This table contains summary information about sticky group.

XML structure

```
<LB>
  <StickyGroupSummaries>
```

```

<StickyGroupSummary>
  <Name></Name>
  <Type></Type>
  <Description></Description>
</StickyGroupSummary>
</StickyGroupSummaries>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	StickyGroupSummaries
Table type	Multi-instance table
Row name	StickyGroupSummary
Restrictions	Only sticky group summary information can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the sticky group.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
Type	Stickiness method of sticky group.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Address-Port. 2—Payload. 3—HTTP-Content 4—HTTP-Cookie 5—HTTP-Header 6—SSL 8—SIP 	N/A
Description	Description information for the sticky group.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.

LB/Policies

This table contains information about policies.

XML structure

```

<LB>
  <Policies>

```



```

<Policy>
  <Name></Name>
  <Type></Type>
  <Description></Description>
  <DefaultClassAction></DefaultClassAction>
</Policy>
</Policies>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	Policies
Table type	Multi-instance table
Row name	Policy
Restrictions	Only policy can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the policy.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
Type	Type for the policy.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Generic. 1—HTTP. 2—Link-generic. 3—DNS. 4—RADIUS. 	N/A
Description	Description of the policy.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
DefaultClassAction	Action for the default class of the policy.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.

LB/ClassActions

This table contains information about policy rules.

XML structure

```

<LB>
  <ClassActions>

```

```

<ClassAction>
  <Policy></Policy>
  <Class></Class>
  <Action></Action>
  <BeforeClass></BeforeClass>
</ClassAction>
</ClassActions>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	ClassActions
Table type	Multi-instance table
Row name	ClassAction
Restrictions	Only policy rules can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Policy	Name of the policy.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
Class	Name of the class.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
Action	Name of the action for the class.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
BeforeClass	Name of the class that the row will be inserted before.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.

LB/GenericActions

This table contains information about IP, TCP and UDP action.

XML structure

```

<LB>
  <GenericActions>
    <GenericAction>

```

```

<Name></Name>
<Description></Description>
<ForwardType></ForwardType>
<ServerFarm></ServerFarm>
<BackupServerFarm></BackupServerFarm>
<StickyGroup></StickyGroup>
<IPToS></IPToS>
<ServerFarmInUse></ServerFarmInUse>
<Fallback></Fallback>
</GenericAction>
</GenericActions>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	GenericActions
Table type	Multi-instance table
Row name	GenericAction
Restrictions	Only IP, TCP and UDP action can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the action.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
Description	Description of the action.	N/A	String. Length: 1 to 127 characters.	The null string indicates the label is not configured.
ForwardType	Forward mode of the action.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Drop. 2—Forward all. 3—Server farm. 	N/A
ServerFarm	Name of the sever farm for the action.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
BackupServer Farm	Name of the backup sever farm for the action.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
StickyGroup	Name of the sticky group farm for the	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.

Column name	Column description	Column type	Data type and restrictions	Remarks
	action.			
IPToS	ToS number of IP packet sent to server.	N/A	Unsigned integer. Value range: 0 to 255.	N/A
ServerFarmInUse	Name of the in use sever farm for the action.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Default sever farm. 1—Backup server farm. 2—No server farm. 	N/A
Fallback	Fallback action when real server select failed.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None. 1—Match next class. 	N/A

LB/RADIUSActions

This table contains information about RADIUS action.

XML structure

```

<LB>
  <RADIUSActions>
    <RADIUSAction>
      <Name></Name>
      <Description></Description>
      <ForwardType></ForwardType>
      <ServerFarm></ServerFarm>
      <BackupServerFarm></BackupServerFarm>
      <StickyGroup></StickyGroup>
      <IPToS></IPToS>
      <ServerFarmInUse></ServerFarmInUse>
      <Fallback></Fallback>
    </RADIUSAction>
  </RADIUSActions>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	RADIUSActions
Table type	Multi-instance table
Row name	RADIUSAction
Restrictions	Only RADIUS action can be configured by this table.

Support for row creation and deletion	Yes
---------------------------------------	-----

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the action.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the action.	N/A	String. Length: 1 to 127 characters.	The null string indicates the label is not configured.
ForwardType	Forward mode of the action.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Drop. 2—Forward all. 3—Server farm. 	N/A
ServerFarm	Name of the sever farm for the action.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
BackupServer Farm	Name of the backup sever farm for the action.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
StickyGroup	Name of the sticky group for the action.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
IPToS	ToS number of IP packet sent to server.	N/A	Unsigned integer. Value range: 0 to 255.	N/A
ServerFarmIn Use	Name of the in use sever farm for the action.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Default sever farm. 1—Backup server farm. 2—No server farm. 	N/A
Fallback	Fallback action when real server select failed.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None. 1—Match next class. 	N/A

LB/LinkGenericActions

This table contains information about Link-generic action.

XML structure

```

<LB>
  <LinkGenericActions>
    <LinkGenericAction>
      <Name></Name>
      <Description></Description>

```

```

    <ForwardType></ForwardType>
    <LinkGroup></LinkGroup >
    <BackupLinkGroup></BackupLinkGroup>
    <StickyGroup></StickyGroup>
    <IPToS></IPToS>
    <LinkGroupInUse></LinkGroupInUse>
    <Fallback></Fallback>
    <BusyFallback></BusyFallback>
  </LinkGenericAction>
</LinkGenericActions>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	LinkGenericActions
Table type	Multi-instance table
Row name	LinkGenericAction
Restrictions	Only Link-generic action can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the action.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the action.	N/A	String. Length: 1 to 127 characters.	The null string indicates the label is not configured.
ForwardType	Forward mode of the action.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Drop. 2—Forward all. 3—Server farm. 	N/A
LinkGroup	Name of the link group for the action.	N/A	String, case-insensitive. Length: 0 to 63 characters.	When the column is configured, ForwardType becomes link group (3).
BackupLinkGroup	Name of the backup link group for the action.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The column cannot be configured when LinkGroup is not configured.
StickyGroup	Name of the sticky group farm for the	N/A	String, case-insensitive. Length: 0 to 63 characters.	The column cannot be configured when LinkGroup is not

Column name	Column description	Column type	Data type and restrictions	Remarks
	action.			configured.
IPToS	ToS number of IP packet sent to server.	N/A	Unsigned integer. Value range: 0 to 255. By default, no IPToS is specified.	N/A
LinkGroupInUse	Name of the in use link group for the action.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Default link group. 1—Backup link group. 2—No link group. 	N/A
Fallback	Fallback action when real server select failed.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None. 1—Match next class. 	N/A
BusyFallback	Fallback action when real server all busy.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None. 1—Match next class. 	N/A

LB/DNSActions

This table contains information about DNS action.

XML structure

```

<LB>
  <DNSActions>
    <DNSAction>
      <Name></Name>
      <Description></Description>
      <ForwardType></ForwardType>
      <DNSServerPool></DNSServerPool>
      <IPToS></IPToS>
      <Fallback></Fallback>
      <StickyGroup></StickyGroup>
      <BusyFallback></BusyFallback>
    </DNSAction>
  </DNSActions>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	DNSActions
Table type	Multi-instance table

Row name	DNSAction
Restrictions	Only DNS action can be configured by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the action.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the action.	N/A	String. Length: 1 to 127 characters.	The null string indicates the label is not configured.
ForwardType	Forward mode of the action.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Drop. 2—Forward all. 3—DNS server pool. 4—Skip current DNS proxy. 	N/A
DNSServerPool	Name of the DNS server pool for the action.	N/A	String, case-insensitive. Length: 1 to 63 characters.	When the column is configured, ForwardType becomes DNS server pool (3).
IPToS	ToS number of IP packet sent to server.	N/A	Unsigned integer. Value range: 0 to 255. By default, no IPToS is specified.	N/A
Fallback	Fallback action when DNS server select failed.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None. 1—Match next class. 	N/A
StickyGroup	Name of the sticky group.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
BusyFallback	Fallback action when real server all busy.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None. 1—Match next class. 	N/A

LB/HTTPActions

This table contains information about action of HTTP type.

XML structure

```

<LB>
  <HTTPActions>
    <HTTPAction>
      <Name></Name>

```



```

<Description></Description>
<ForwardType></ForwardType>
<ServerFarm></ServerFarm>
<BackupServerFarm></BackupServerFarm>
<StickyGroup></StickyGroup>
<SSLClientPolicy></SSLClientPolicy>
<IPToS></IPToS>
<ServerFarmInUse></ServerFarmInUse>
<Fallback></Fallback>
<RewriteValue></RewriteValue>
<ReplaceValue></ReplaceValue>
<Redirect></Redirect>
<ReturnCode></ReturnCode>
<ZipFileWorkpath></ZipFileWorkpath>
<ResponseZipFile></ResponseZipFile>
<FallbackResponseRawFile></FallbackResponseRawFile>
</HTTPAction>
</HTTPActions>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	HTTPActions
Table type	Multi-instance table
Row name	HTTPAction
Restrictions	Only action of HTTP type can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the action.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
Description	Description of the action.	N/A	String. Length: 1 to 127 characters.	The null string indicates the label is not configured.
ForwardType	Forward mode of the action.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Drop. 3—Server farm. 8—Redirect 9—Response 	N/A
ServerFarm	Name of the	N/A	String, case-insensitive.	The null string indicates

Column name	Column description	Column type	Data type and restrictions	Remarks
	server farm for the action.		Length: 0 to 63 characters.	the label is not configured.
BackupServerFarm	Name of the backup server farm for the action.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
StickyGroup	Name of the sticky group farm for the action.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
SSLClientPolicy	Name of the SSL client policy.	N/A	String, case-insensitive. Length: 0 to 31 characters.	The null string indicates the label is not configured.
IPToS	ToS number of IP packet for the action sent to server.	N/A	Unsigned integer. Value range: 0 to 255.	N/A
ServerFarmInUse	Name of the in use server farm for the action.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Default server farm. 1—Backup server farm. 2—No server farm. 	N/A
Fallback	Fallback action when real server select failed.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None. 1—Match next class. 2—Response. 	N/A
RewriteValue	Content value need to be replaced in response.	N/A	String. Length: 1 to 127 characters.	This column and the column of ReplaceValue must be configured together.
ReplaceValue	New content value after replaced in response.	N/A	String. Length: 1 to 127 characters.	Some special applications and constraints as below: %is: insert source IPv4 address or source IPv6 address into header of the message. %ps: insert source port into header of the message. %id: insert destination IPv4 address or IPv6 address into header of the message. %pd: insert destination port into header of the message. To the above-mentioned applications, some situations, like only %, ps, id, pd can behind %, must be constrained unless those serial % are not odd number.

Column name	Column description	Column type	Data type and restrictions	Remarks
Redirect	Redirection URL.	N/A	String. Length: 0 to 255 characters.	A null string indicates the label is not configured.
ReturnCode	Status code in the returned redirection packets.	N/A	Enumeration: <ul style="list-style-type: none"> 301—The requested resource has been permanently deleted. 302—The requested resource has been temporarily deleted. 	N/A
ZipFileWorkpath	Work path of zip file for the response	N/A	String. Length: 1 to 255 characters.	If the column is not '/', it must start with /, and cannot end with /. The null string indicates the label is not configured.
ResponseZipFile	Full path and name of the zip file for the response. Example: <ul style="list-style-type: none"> flash:/lb/1.html chassis3#slot1#flash:/lb/1.html 	N/A	String, case-insensitive. Length: 1 to 255 characters.	The column can be configured when ForwardType is Response (9) or there is no ForwardType column. When the column is configured, ForwardType becomes Response (9). The column cannot be configured when ZipFileWorkpath is not configured.
FallbackResponseRawFile	Full path and name of the raw file for the fallback action response. Example: <ul style="list-style-type: none"> flash:/lb/1.html chassis3#slot1#flash:/lb/1.html 	N/A	String, case-insensitive. Length: 1 to 255 characters.	The column can be configured when Fallback is Response(2).

LB/HTTPActionResponseFiles

This table contains information about HTTP action response file.

XML structure

```

<LB>
  <HTTPActionResponseFiles>
    <HTTPActionResponseFile>
      <Action></Action>
      <URL></URL>

```

```

    <FileName></FileName>
  </HTTPActionResponseFile>
</HTTPActionResponseFiles>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	HTTPActionResponseFiles
Table type	Multi-instance table
Row name	HTTPActionResponseFile
Restrictions	Only HTTP action response file can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Action	Name of the action.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
URL	URL of file for the action response.	Index	String. Length: 1 to 255 characters.	The column must start with /. When the column is configured, ForwardType becomes Resposne (9).
FileName	Full path and name of the file for the action response. Example: <ul style="list-style-type: none"> flash:/lb/1.html chassis3#slot1#flash:/lb/1.html 	N/A	String, case-insensitive. Length: 1 to 255 characters.	The column must start with device name.

LB/HTTPActionRewriteURLs

This table contains information about HTTP action rewrite URL.

XML structure

```

<LB>
  <HTTPActionRewriteURLs>

```

```

<HTTPActionRewriteURL>
  <LocationURL></LocationURL>
  <Replace></Replace>
  <Encode></Encode>
</HTTPActionRewriteURL>
</HTTPActionRewriteURLs>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	HTTPActionRewriteURLs
Table type	Multi-instance table
Row name	HTTPActionURL
Restrictions	Only HTTP action rewrite URL can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LocationURL	URL of location value for the HTTP request line.	Index	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
Replace	Replaced string that method of URL rewrite process.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
Encode	Encode type of URL rewrite.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None. 1—URL. 2—Base64 	

LB/HTTPActionSSLURLs

This table contains information about HTTP action SSLURL.

XML structure

```

<LB>
  <HTTPActionSSLURLs>

```

```

<HTTPActionSSLURL>
  <Name></Name>
  <LocationURL></LocationURL>
  <ClearPort></ClearPort>
  <SSLPort></SSLPort>
</HTTPActionSSLURL>
</HTTPActionSSLURLs>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	HTTPActionSSLURLs
Table type	Multi-instance table
Row name	HTTPActionSSLURL
Restrictions	Only HTTP action SSL URL can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the action.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
LocationURL	URL of location value for the HTTP header.	Index	String. Length: 0 to 63 characters.	N/A
ClearPort	HTTP port of Location for rewriting redirection message.	Index	Unsigned integer. Value range: 1 to 65535.	N/A
SSLPort	SSL port of the LB device.	N/A	Unsigned integer. Value range: 1 to 65535.	N/A

LB/HTTPActionHeaders

This table contains information about HTTP action header.

XML structure

```

<LB>
  <HTTPActionHeaders>
    <HTTPActionHeader>
      <Action></Action>

```

```

<Type></Type>
<Direction></Direction>
<HeaderName></HeaderName>
<HeaderValue></HeaderValue>
<HeaderExpress></HeaderExpress>
<Replace></Replace>
<Encode></Encode>
</HTTPActionHeader>
</HTTPActionHeaders>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	HTTPActionHeaders
Table type	Multi-instance table
Row name	HTTPActionHeader
Restrictions	Only HTTP action header can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Action	Name of the action.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
Type	Type of the header process.	Index	Enumeration: <ul style="list-style-type: none"> 0—Header Delete. 1—Header Insert. 2—Header Rewrite. 	N/A
Direction	Process direction.	Index	Enumeration: <ul style="list-style-type: none"> 0—Request and Response. 1—Request. 2—Response. 	N/A
HeaderName	Name of the header.	Index	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
HeaderValue	Header value that method of Header Insert process.	N/A	String. Length: 0 to 255 characters.	The null string indicates the label is not configured.
HeaderExpress	Header value that method of Header Rewrite process.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.

Column name	Column description	Column type	Data type and restrictions	Remarks
Replace	Replaced string that method of Header Rewrite process.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
Encode	Encode type of URL rewrite.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None. 1—URL. 2—Base64 	Encode

LB/ActionSummaries

This table contains information about action summary.

XML structure

```

<LB>
  <ActionSummaries>
    <ActionSummary>
      <Name></Name>
      <Type></Type>
      <Description></Description>
    </ActionSummary>
  </ActionSummaries>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	Classes
Table type	Multi-instance table
Row name	Class
Restrictions	Only action summary can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Class	Name of the action.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
Type	Type of the	N/A	Enumeration:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	action.		<ul style="list-style-type: none"> 0—Generic. 1—HTTP. 	
Description	Description of the action.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.

LB/Classes

This table contains information about classes.

XML structure

```

<LB>
  <Classes>
    <Class>
      <Name></Name>
      <Type></Type>
      <Description></Description>
      <MatchCondition></MatchCondition>
    </Class>
  </Classes>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	Classes
Table type	Multi-instance table
Row name	Class
Restrictions	Only class can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Class	Name of the class.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
Type	Type of the class.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Generic. 1—HTTP. 2—Link-generic. 3—DNS. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 4—RADIUS. 	
Description	Description of the class.	N/A	String. Length: 0 to 127 characters.	N/A
MatchCondition	The rule matched class.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Match any. 1—Match all. 	N/A

LB/GenericMatchRules

This table contains information about generic match rule.

XML structure

```

<LB>
  <GenericMatchRules>
    <GenericMatchRule>
      <Class></Class>
      <ID></ID>
      <Type></Type>
      <SrcIpv4Address></SrcIpv4Address>
      <SrcIpv4PrefixLength></SrcIpv4PrefixLength>
      <SrcIpv6Address></SrcIpv6Address>
      <SrcIpv6PrefixLength></SrcIpv6PrefixLength>
      <ReferClass></ReferClass>
      <AclNum></AclNum>
      <AclName></AclName>
      <ISP></ISP>
      <User></User>
      <UserGroup></UserGroup>
      <IdentityDomain></IdentityDomain>
      <InterfaceName></InterfaceName>
      <MatchedTimes></MatchedTimes>
    </GenericMatchRule>
  </GenericMatchRules>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	GenericMatchRules
Table type	Multi-instance table
Row name	GenericMatchRule

Restrictions	Only generic match rule can be gotten by this table.
--------------	--

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Class	Name of the class.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
ID	ID of the match rule.	Index	Unsigned integer. Value range: 1 to 65535.	N/A
Type	Type of the match rule.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Source IPv4. 1—Source IPv6. 2—Class. 3—IPv4 ACL. 4—IPv6 ACL. 5—ISP. 6—User. 7—User group. 8—Interface. 	N/A
SrcIpv4Address	Match rule of Source IPv4.	N/A	String. Dotted decimal notation.	Example: 1.1.1.1.
SrcIpv4PrefixLength	Mask length of the source IPv4 address.	N/A	Unsigned integer. Value range: 0 to 32.	N/A
SrcIpv6Address	Match rule of source IPv6.	N/A	Hexadecimal string, colon-separated.	Example: 2::2.
SrcIpv6PrefixLength	Prefix length of the source IPv6 address.	N/A	Unsigned integer. Value range: 0 to 128.	N/A
ReferClass	Name of the referenced class.	N/A	String, case-insensitive. Length: 0 to 63 characters.	N/A
AclNum	ACL number.	N/A	Unsigned integer. Value range: 2000 to 3999.	N/A
AclName	Name of the ACL.	N/A	String, case-insensitive. Length: 1 to 63 characters.	The null string indicates the label is not configured.
ISP	Name of the ISP.	N/A	String, case-insensitive. Length: 1 to 63 characters.	The null string indicates the label is not configured.
User	Name of the user.	N/A	String, case-sensitive. Length: 1 to 55 characters.	N/A
UserGroup	Name of the user group.	N/A	String, case-insensitive. Length: 1 to 32 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
IdentityDomain	The domain name of the user or user group.	N/A	String, case-insensitive. Length: 1 to 255 characters.	The null string indicates the label is not configured.
InterfaceName	Name of the interface.	N/A	String, case-insensitive. Length: 1 to 47 characters.	N/A
MatchedTimes	Number of times the rule was matched.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A

LB/LinkGenericMatchRules

This table contains information about link generic match rule.

XML structure

```

<LB>
  <LinkGenericMatchRules>
    <LinkGenericMatchRule>
      <Class></Class>
      <ID></ID>
      <Type></Type>
      <SrcIpv4Address></SrcIpv4Address>
      <SrcIpv4PrefixLength></SrcIpv4PrefixLength>
      <SrcIpv6Address></SrcIpv6Address>
      <SrcIpv6PrefixLength></SrcIpv6PrefixLength>
      <ReferClass></ReferClass>
      <AclNum></AclNum>
      <AclName></AclName>
      <ISP></ISP>
      <AppGroup></AppGroup>
      <DstIpv4Address></DstIpv4Address>
      <DstIpv4PrefixLength></DstIpv4PrefixLength>
      <DstIpv6Address></DstIpv6Address>
      <DstIpv6PrefixLength></DstIpv6PrefixLength>
      <DstDomain></DstDomain>
      <User></User>
      <UserGroup></UserGroup>
      <IdentityDomain></IdentityDomain>
      <InterfaceName></InterfaceName>
      <MatchedTimes></MatchedTimes>
    </LinkGenericMatchRule>
  </LinkGenericMatchRules>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	LinkGenericMatchRules
Table type	Multi-instance table
Row name	LinkGenericMatchRule
Restrictions	Only link generic match rule can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Class	Name of the class.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
ID	ID of the match rule.	Index	Unsigned integer. Value range: 1 to 65535.	N/A
Type	Type of the match rule.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Source IPv4. 1—Source IPv6. 2—Class. 3—IPv4 ACL. 4—IPv6 ACL. 5—ISP. 6—Application group. 7—Destination IPv4. 8—Destination IPv6. 9—Destination domain. 10—User. 11—User group. 12—Interface. 	N/A
SrcIpv4Address	Match rule of Source IPv4.	N/A	String. Dotted decimal notation.	Example: 1.1.1.1.
SrcIpv4PrefixLength	Mask length of the source IPv4 address.	N/A	Unsigned integer. Value range: 0 to 32.	N/A
SrcIpv6Address	Match rule of source IPv6.	N/A	Hexadecimal string, colon-separated.	Example: 2::2.
SrcIpv6PrefixLength	Prefix length of the source IPv6 address.	N/A	Unsigned integer. Value range: 0 to 128.	N/A
ReferClass	Name of the referenced	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	class.			
AclNum	ACL number.	N/A	Unsigned integer. Value range: 2000 to 3999.	N/A
AclName	Name of the ACL.	N/A	String, case-insensitive. Length: 1 to 63 characters.	The null string indicates the label is not configured.
ISP	Name of the ISP.	N/A	String, case-insensitive. Length: 1 to 63 characters.	The null string indicates the label is not configured.
AppGroup	Name of the application group.	N/A	String. Length: 1 to 63 characters.	The null string indicates the label is not configured.
DstIpv4Address	Match rule of destination IPv4.	N/A	String. Dotted decimal notation.	Example: 1.1.1.1.
DstIpv4PrefixLength	Mask length of the destination IPv4 address.	N/A	Unsigned integer. Value range: 0 to 32.	N/A
DstIpv6Address	Match rule of destination IPv6.	N/A	Hexadecimal string, colon-separated.	Example: 2::2.
DstIpv6PrefixLength	Prefix length of the destination IPv6 address.	N/A	Unsigned integer. Value range: 0 to 128.	N/A
DstDomain	Match rule of destination domain	N/A	String, case-insensitive. Length: 1 to 253 characters.	The null string indicates the label is not configured.
User	Name of the user.	N/A	String, case-sensitive. Length: 1 to 55 characters.	N/A
UserGroup	Name of the user group.	N/A	String, case-insensitive. Length: 1 to 32 characters.	N/A
IdentityDomain	The domain name of the user or user group.	N/A	String, case-insensitive. Length: 1 to 255 characters.	The null string indicates the label is not configured.
InterfaceName	Name of the interface.	N/A	String, case-insensitive. Length: 1 to 47 characters.	N/A
MatchedTimes	Number of times the rule was matched.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A

LB/DNSMatchRules

This table contains information about DNS match rule.

XML structure

```
<LB>
  <DNSMatchRules>
    <DNSMatchRule>
      <Class></Class>
      <ID></ID>
      <Type></Type>
      <SrcIpv4Address></SrcIpv4Address>
      <SrcIpv4PrefixLength></SrcIpv4PrefixLength>
      <SrcIpv6Address></SrcIpv6Address>
      <SrcIpv6PrefixLength></SrcIpv6PrefixLength>
      <DstIpv4Address></DstIpv4Address>
      <DstIpv4PrefixLength></DstIpv4PrefixLength>
      <DstIpv6Address></DstIpv6Address>
      <DstIpv6PrefixLength></DstIpv6PrefixLength>
      <ReferClass></ReferClass>
      <AclNum></AclNum>
      <AclName></AclName>
      <Domain></Domain>
      <User></User>
      <UserGroup></UserGroup>
      <IdentityDomain></IdentityDomain>
      <InterfaceName></InterfaceName>
      <MatchedTimes></MatchedTimes>
    </DNSMatchRule>
  </DNSMatchRules>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	DNSMatchRules
Table type	Multi-instance table
Row name	DNSMatchRule
Restrictions	Only DNS match rule can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Class	Name of the class.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
ID	ID of the match rule.	Index	Unsigned integer. Value range: 1 to 65535.	N/A
Type	Type of the match rule.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Source IPv4. 1—Source IPv6. 2—Destination IPv4. 3—Destination IPv6. 4—Class. 5—IPv4 ACL. 6—IPv6 ACL. 7—Domain name. 8—User. 9—User group. 10—Interface. 	N/A
SrcIpv4Address	Match rule of source IPv4.	N/A	String. Dotted decimal notation.	Example: 1.1.1.1.
SrcIpv4PrefixLength	Mask length of the source IPv4 address.	N/A	Unsigned integer. Value range: 0 to 32.	N/A
SrcIpv6Address	Match rule of source IPv6.	N/A	Hexadecimal string, colon-separated.	Example: 2::2.
SrcIpv6PrefixLength	Prefix length of the source IPv6 address.	N/A	Unsigned integer. Value range: 0 to 128.	N/A
DstIpv4Address	Match rule of destination IPv4.	N/A	String. Dotted decimal notation.	Example: 1.1.1.1.
DstIpv4PrefixLength	Mask length of the destination IPv4 address.	N/A	Unsigned integer. Value range: 0 to 32.	N/A
DstIpv6Address	Match rule of destination IPv6.	N/A	Hexadecimal string, colon-separated.	Example: 2::2.
DstIpv6PrefixLength	Prefix length of the destination IPv6 address.	N/A	Unsigned integer. Value range: 0 to 128.	N/A
ReferClass	Name of the referenced class.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
AclNum	ACL number.	N/A	Unsigned integer. Value range: 2000 to 3999.	N/A
AclName	Name of the ACL.	N/A	String, case-insensitive. Length: 1 to 63 characters.	The null string indicates the label is not configured.
Domain	Domain for the DNS match	N/A	String, case-insensitive.	The null string indicates the label is not configured.

Column name	Column description	Column type	Data type and restrictions	Remarks
	rule		Length: 1 to 253 characters.	
User	Name of the user.	N/A	String, case-sensitive. Length: 1 to 55 characters.	N/A
UserGroup	Name of the user group.	N/A	String, case-insensitive. Length: 1 to 32 characters.	N/A
IdentityDomain	The domain name of the user or user group.	N/A	String, case-insensitive. Length: 1 to 255 characters.	The null string indicates the label is not configured.
InterfaceName	Name of the interface.	N/A	String, case-insensitive. Length: 1 to 47 characters.	N/A
MatchedTimes	Number of times the rule was matched.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A

LB/HTTPMatchRules

This table contains information about HTTP match rule.

XML structure

```

<LB>
  <HTTPMatchRules>
    <HTTPMatchRule>
      <Class></Class>
      <ID></ID>
      <Type></Type>
      <SrcIpv4Address></SrcIpv4Address>
      <SrcIpv4PrefixLength></SrcIpv4PrefixLength>
      <SrcIpv6Address></SrcIpv6Address>
      <SrcIpv6PrefixLength></SrcIpv6PrefixLength>
      <ReferClass></ReferClass>
      <CookieName></CookieName>
      <CookieValue></CookieValue>
      <HeaderName></HeaderName>
      <HeaderValue></HeaderValue>
      <Method></Method>
      <ExtType></ExtType>
      <URL></URL>
      <ContentOffset></ContentOffset>
      <ContentExpression></ContentExpression>
      <AclNum></AclNum>

```

```

    <AclName></AclName>
    <ISP></ISP>
    <User></User>
    <UserGroup></UserGroup>
    <IdentityDomain></IdentityDomain>
    <InterfaceName></InterfaceName>
    <MatchedTimes></MatchedTimes>
  </HTTPMatchRule>
</HTTPMatchRules>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	HTTPMatchRules
Table type	Multi-instance table
Row name	HTTPMatchRule
Restrictions	Only HTTP match rule can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Class	Name of the class.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
ID	ID of the match rule.	Index	Unsigned integer. Value range: 1 to 65535.	N/A
Type	Type of the match rule.	N/A	Enumeration: <ul style="list-style-type: none"> • 0—Source IPv4. • 1—Source IPv6. • 2—Class. • 3—Cookie. • 4—HTTP Header. • 5—Method. • 6—URL. • 7—Content. • 8—IPv4 ACL. • 9—IPv6 ACL. • 10—ISP. • 11—User. • 12—User group. • 13—Interface. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
SrcIpv4Address	Match rule of Source IPv4.	N/A	String. Dotted decimal notation.	Example: 1.1.1.1.
SrcIpv4PrefixLength	Mask length of the source IPv4 address.	N/A	Unsigned integer. Value range: 0 to 32.	N/A
SrcIpv6Address	Match rule of source IPv6.	N/A	Hexadecimal string, colon-separated.	Example: 2::2.
SrcIpv6PrefixLength	Prefix length of the source IPv6 address.	N/A	Unsigned integer. Value range: 0 to 128.	N/A
ReferClass	Name of the referenced class.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
CookieName	Cookie name of the http message.	N/A	String. Length: 0 to 63 characters.	The null string indicates the label is not configured.
CookieValue	Regular expression matched the cookie range.	N/A	String. Length: 0 to 255 characters.	N/A
HeaderName	Header name of the HTTP message.	N/A	String, case-insensitive. Length: 0 to 63 characters.	N/A
HeaderValue	Regular expression matched the header range.	N/A	String. Length: 0 to 255 characters.	N/A
Method	Name of the http request method.	N/A	String. Length: 0 to 63 characters.	N/A
ExtType	Identification of the type for user-defined.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Nonuser-defined. 1—User-defined. 	N/A
URL	Regular expression matched the URL.	N/A	String. Length: 0 to 255 characters.	N/A
ContentOffset	Absolute offset of the HTTP content.	N/A	Unsigned integer. Value range: 0 to 1000.	N/A
ContentExpression	Regular expression matched the content.	N/A	String. Length: 0 to 255 characters.	N/A
AcNum	ACL number.	N/A	Unsigned integer. Value range: 2000 to 3999.	N/A
AcName	Name of the ACL.	N/A	String, case-insensitive. Length: 1 to 63 characters.	The null string indicates the label is not configured.

Column name	Column description	Column type	Data type and restrictions	Remarks
ISP	Name of the ISP.	N/A	String, case-insensitive. Length: 1 to 63 characters.	The null string indicates the label is not configured.
User	Name of the user.	N/A	String, case-sensitive. Length: 1 to 55 characters.	N/A
UserGroup	Name of the user group.	N/A	String, case-insensitive. Length: 1 to 32 characters.	N/A
IdentityDomain	The domain name of the user or user group.	N/A	String, case-insensitive. Length: 1 to 255 characters.	The null string indicates the label is not configured.
InterfaceName	Name of the interface.	N/A	String, case-insensitive. Length: 1 to 47 characters.	N/A
MatchedTimes	Number of times the rule was matched.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A

LB/RADIUSMatchRules

This table contains information about RADIUS match rule.

XML structure

```

<LB>
  <RADIUSMatchRules>
    <RADIUSMatchRule>
      <Class></Class>
      <ID></ID>
      <Type></Type>
      <SrcIpv4Address></SrcIpv4Address>
      <SrcIpv4PrefixLength></SrcIpv4PrefixLength>
      <SrcIpv6Address></SrcIpv6Address>
      <SrcIpv6PrefixLength></SrcIpv6PrefixLength>
      <ReferClass></ReferClass>
      <AclNum></AclNum>
      <AclName></AclName>
      <AttributeType></AttributeType>
      <AttributeExpression></AttributeExpression>
      <MatchedTimes></MatchedTimes>
    </RADIUSMatchRule>
  </RADIUSMatchRules>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	RADIUSMatchRules
Table type	Multi-instance table
Row name	RADIUSMatchRule
Restrictions	Only RADIUS match rule can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Class	Name of the class.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
ID	ID of the match rule.	Index	Unsigned integer. Value range: 1 to 65535.	N/A
Type	Type of the match rule.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Source IPv4. 1—Source IPv6. 2—Class. 3—IPv4 ACL. 4—IPv6 ACL. 5—RADIUS. 	N/A
Srclpv4Address	Match rule of Source IPv4.	N/A	String. Dotted decimal notation.	Example: 1.1.1.1.
Srclpv4PrefixLength	Mask length of the source IPv4 address.	N/A	Unsigned integer. Value range: 0 to 32.	N/A
Srclpv6Address	Match rule of source IPv6.	N/A	Hexadecimal string, colon-separated.	Example: 2::2.
Srclpv6PrefixLength	Prefix length of the source IPv6 address.	N/A	Unsigned integer. Value range: 0 to 128.	N/A
ReferClass	Name of the referenced class.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
AcNum	ACL number.	N/A	Unsigned integer. Value range: 2000 to 3999.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
AclName	Name of the ACL.	N/A	String, case-insensitive. Length: 1 to 63 characters.	The null string indicates the label is not configured.
AttributeType	Type of attribute	N/A	Unsigned integer. Value range: 1 to 255. By default, no AttributeType is specified.	N/A
AttributeExpression	Regular expression matched the attribute.	N/A	String. Length: 1 to 255 characters.	N/A
MatchedTimes	Number of times the rule was matched.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A

LB/ISPs

This table contains information about ISP.

XML structure

```

<LB>
  <ISPs>
    <ISP>
      <Name></Name>
      <Description></Description>
      <Origin></Origin>
    </ISP>
  </ISPs>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	ISPs
Table type	Multi-instance table
Row name	ISP
Restrictions	Only ISP can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the ISP.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the ISP.	N/A	String. Length: 1 to 127 characters.	The null string indicates the label is not configured.
Origin	Origin of the ISP.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Import. 2—Manual. 3—Import and manual. 	N/A

LB/ISPFile

This table contains information about ISP file.

XML structure

```

<LB>
  <ISPFile>
    <FileName></FileName>
  </ISPFile>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	ISPFile
Table type	Single-instance table
Row name	N/A
Restrictions	Only ISP file can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
FileName	Name of the	N/A	String,	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	ISP file.		case-insensitive. Length: 1 to 255 characters.	

LB/FlowMode

This table contains information about flow mode.

XML structure

```
<LB>
  <FlowMode>
    <ModeType></ModeType>
  </FlowMode>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	FlowMode
Table type	Single-instance table
Row name	N/A
Restrictions	Only flow mode can be configured by this table.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ModeType	Type of flow mode.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—One failover-group. 2—Share failover-group 	N/A

LB/Ipv4ISPAddressGroups

This table contains information about IPv4 ISP address groups.

XML structure

```
<LB>
  <Ipv4ISPAddressGroups>
    <Ipv4ISPAddressGroup>
      <Name></Name>
      <Ipv4Address></Ipv4Address>
      <Ipv4PrefixLength></Ipv4PrefixLength>
      <Origin></Origin>
    </Ipv4ISPAddressGroup>
  </Ipv4ISPAddressGroups>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	Ipv4ISPAddressGroups
Table type	Multi-instance table
Row name	Ipv4ISPAddressGroup
Restrictions	Only IPv4 ISP can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the ISP.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Ipv4Address	IPv4 address.	Index	String, Dotted decimal notation.	The value must be equal to the summation of the address and the mask. Example:1.1.1.0/24.
Ipv4PrefixLength	IPv4 mask length	Index	Unsigned integer. Value range: 1 to 32.	N/A
Origin	Origin of IPv4 address.	N/A	Each bit represents a origin. Values: <ul style="list-style-type: none">1—Import.2—Manual.4—Update.	N/A

LB/Ipv6ISPAddressGroups

This table contains information about IPv6 ISP address groups.

XML structure

```
<LB>
  <Ipv6ISPAddressGroups>
    <Ipv6ISPAddressGroup>
      <Name></Name>
      <Ipv6Address></Ipv6Address>
      <Ipv6PrefixLength></Ipv6PrefixLength>
      <Origin></Origin>
    </Ipv6ISPAddressGroup>
  </Ipv6ISPAddressGroups>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	Ipv6ISPAddressGroups
Table type	Multi-instance table
Row name	Ipv6ISPAddressGroup
Restrictions	Only IPv6 ISP can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the ISP.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Ipv6Address	IPv6 address.	Index	Hexadecimal string, colon-separated.	The value must be equal to the summation of the address and the prefix. Example:195::/64.
Ipv6PrefixLength	IPv6 prefix length	Index	Unsigned integer. Value range: 1 to 128.	N/A
Origin	Origin of IPv6 address.	N/A	Each bit represents a origin. Values: <ul style="list-style-type: none">1—Import.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 2—Manual. 4—Update. 	

LB/ProximityParameters

This table contains information about proximity parameter.

XML structure

```

<LB>
  <ProximityParameters>
    <Ipv4PrefixLength></Ipv4PrefixLength>
    <Ipv6PrefixLength></Ipv6PrefixLength>
    <Timeout></Timeout>
    <RTTWeight></RTTWeight>
    <TTLWeight></TTLWeight>
    <InBandwidthWeight></InBandwidthWeight>
    <OutBandwidthWeight></OutBandwidthWeight>
    <CostWeight></CostWeight>
    <MaxNumber></MaxNumber>
    <DefaultProbeMode></DefaultProbeMode>
    <DefaultProbe></DefaultProbe>
  </ProximityParameters>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	ProximityParameters
Table type	Single-instance table
Row name	N/A
Restrictions	Only proximity parameter can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Ipv4PrefixLength	IPv4 mask length.	N/A	Unsigned integer. Value range: 0 to 32.	Zero means nature mask.

Column name	Column description	Column type	Data type and restrictions	Remarks
Ipv6PrefixLength	IPv6 prefix length.	N/A	Unsigned integer. Value range: 1 to 128.	N/A
Timeout	The life time of proximity.	N/A	Unsigned integer. Value range: 60 to 3600.	N/A
RTTWeight	The weight of RTT.	N/A	Unsigned integer. Value range: 0 to 255.	N/A
TTLWeight	The weight of TTL.	N/A	Unsigned integer. Value range: 0 to 255.	N/A
InBandwidthWeight	The weight of inbound bandwidth.	N/A	Unsigned integer. Value range: 0 to 255.	N/A
OutBandwidthWeight	The weight of outbound bandwidth.	N/A	Unsigned integer. Value range: 0 to 255.	N/A
CostWeight	The weight of link cost.	N/A	Unsigned integer. Value range: 0 to 255.	N/A
MaxNumber	Proximity entries upper limit number.	N/A	Unsigned integer. Value range: 0 to 10000000.	N/A
DefaultProbeMode	Default probe mode for the proximity.	N/A	Enumeration: <ul style="list-style-type: none"> 0—NQA. 1—LB. 	N/A
DefaultProbe	Default probe method for the proximity.	N/A	String, case-insensitive. Length: 1 to 32 characters.	N/A

LB/VRFProximityParameters

This table contains information about proximity parameter.

XML structure

```

<LB>
  <VRFProximityParameters>
    <VRFProximityParameter>
      <VRF></VRF>
      <Ipv4PrefixLength></Ipv4PrefixLength>
      <Ipv6PrefixLength></Ipv6PrefixLength>
      <Timeout></Timeout>
      <RTTWeight></RTTWeight>
      <TTLWeight></TTLWeight>
      <InBandwidthWeight></InBandwidthWeight>
      <OutBandwidthWeight></OutBandwidthWeight>
      <CostWeight></CostWeight>

```

```

    <MaxNumber></MaxNumber>
    <DefaultProbeMode></DefaultProbeMode>
    <DefaultProbe></DefaultProbe>
  </VRFProximityParameter>
</VRFProximityParameters>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	VRFProximityParameters
Table type	Multi-instance table
Row name	VRFProximityParameter
Restrictions	Only proximity parameter can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VRF name.	Index	String. Length: 0 to 31 characters.	The null string indicates public network.
Ipv4PrefixLength	IPv4 mask length.	N/A	Unsigned integer. Value range: 0 to 32.	Zero means nature mask.
Ipv6PrefixLength	IPv6 prefix length.	N/A	Unsigned integer. Value range: 1 to 128.	N/A
Timeout	The life time of proximity.	N/A	Unsigned integer. Value range: 60 to 3600.	N/A
RTTWeight	The weight of RTT.	N/A	Unsigned integer. Value range: 0 to 255.	N/A
TTLWeight	The weight of TTL.	N/A	Unsigned integer. Value range: 0 to 255.	N/A
InBandwidthWeight	The weight of inbound bandwidth.	N/A	Unsigned integer. Value range: 0 to 255.	N/A
OutBandwidthWeight	The weight of outbound bandwidth.	N/A	Unsigned integer. Value range: 0 to 255.	N/A
CostWeight	The weight of link cost.	N/A	Unsigned integer. Value range: 0 to 255.	N/A
MaxNumber	Proximity entries upper limit number.	N/A	Unsigned integer. Value range: 0 to 10000000.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
DefaultProbeMode	Default probe mode for the proximity.	N/A	Enumeration: <ul style="list-style-type: none"> 0—NQA. 1—LB. 	N/A
DefaultProbe	Default probe method for the proximity.	N/A	String, case-insensitive. Length: 1 to 32 characters.	N/A

LB/ProximityProbeRules

This table contains information about probe of the proximity.

XML structure

```

<LB>
  <ProximityProbeRules>
    <ProximityProbeRule>
      <ID></ID>
      <Type></Type>
      <ProbeMode></ProbeMode>
      <Probe></Probe>
    </ProximityProbeRule>
  </ProximityProbeRules>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	ProximityProbeRules
Table type	Multi-instance table
Row name	ProximityProbeRule
Restrictions	Only proximity probe can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ID	ID of the probe rule.	Index	Unsigned integer. Value range: 1 to 65535.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Type	Type of the rule.	N/A	Enumeration: • 0—TCP.	N/A
ProbeMode	Mode of the match probe.	N/A	Enumeration: • 0—NQA. • 1—LB.	N/A
Probe	Name of the match probe.	N/A	String, case-insensitive. Length: 1 to 32 characters.	N/A

LB/VRFProximityProbeRules

This table contains information about probe of the proximity.

XML structure

```

<LB>
  <VRFProximityProbeRules>
    <VRFProximityProbeRule>
      <VRF></VRF>
      <ID></ID>
      <Type></Type>
      <ProbeMode></ProbeMode>
      <Probe></Probe>
    </VRFProximityProbeRule>
  </VRFProximityProbeRules>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	VRFProximityProbeRules
Table type	Multi-instance table
Row name	VRFProximityProbeRule
Restrictions	Only proximity probe can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VRF name.	Index	String. Length: 0 to 31 characters.	The null string indicates public network.
ID	ID of the probe rule.	Index	Unsigned integer. Value range: 1 to 65535.	N/A
Type	Type of the rule.	N/A	Enumeration: <ul style="list-style-type: none">• 0—TCP.	N/A
ProbeMode	Mode of the match probe.	N/A	Enumeration: <ul style="list-style-type: none">• 0—NQA.• 1—LB.	N/A
Probe	Name of the match probe.	N/A	String, case-insensitive. Length: 1 to 32 characters.	N/A

LB/Ipv4ProximityTables

This table contains information about ipv4 proximity item.

XML structure

```
<LB>
  <Ipv4ProximityTables>
    <Ipv4ProximityTable>
      <ChassisID></ChassisID>
      <SlotID></SlotID>
      <CPUID></CPUID>
      <VRF></VRF>
      <Ipv4Address></Ipv4Address>
      <Ipv4PrefixLength></Ipv4PrefixLength>
      <Lifetime></Lifetime>
      <BestLinkType></BestLinkType>
      <BestRealServer></BestRealServer>
      <BestLink></BestLink>
      <TimesUsed></TimesUsed>
    </Ipv4ProximityTable>
  </Ipv4ProximityTables>
</LB>
```


Table description

Item	Description
Feature name	LB
Table name	Ipv4ProximityTables
Table type	Multi-instance table
Row name	Ipv4ProximityTable
Restrictions	Only IPv4 proximity items can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ChassisID	ID of the device that holds the card.	Index	Unsigned integer. Value range: 0 to 255.	N/A
SlotID	Member ID of the card on device.	Index	Unsigned integer. Value range: 0 to 255.	N/A
CPUID	ID of the CPU on the card.	Index	Unsigned integer. Value range: 0 to 255.	N/A
VRF	VRF name.	Index	String. Length: 0 to 31 characters.	The null string indicates public network.
Ipv4Address	IPv4 address.	Index	String. Dotted decimal notation.	N/A
Ipv4PrefixLength	IPv4 mask length.	Index	Unsigned integer. Value range: 0 to 32.	N/A
Lifetime	Lifetime of proximity items.	N/A	Unsigned integer. Value range: 0 to 3600.	N/A
BestLinkType	Type of the best link.	N/A	Enumeration: <ul style="list-style-type: none">0—None.1—Real server.2—Link.	N/A
BestRealServer	The best real server name.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
BestLink	The best link name.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
TimesUsed	Number of times the proximity entry was used.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A

LB/Ipv6ProximityTables

This table contains information about ipv6 proximity item.

XML structure

```

<LB>
  <Ipv6ProximityTables>
    <Ipv6ProximityTable>
      <ChassisID></ChassisID>
      <SlotID></SlotID>
      <CPUID></CPUID>
      <VRF></VRF>
      <Ipv6Address></Ipv6Address>
      <Ipv6PrefixLength></Ipv6PrefixLength>
      <Lifetime></Lifetime>
      <BestLinkType></BestLinkType>
      <BestRealServer></BestRealServer>
      <BestLink></BestLink>
      <TimesUsed></TimesUsed>
    </Ipv6ProximityTable>
  </Ipv6ProximityTables>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	Ipv6ProximityTables
Table type	Multi-instance table
Row name	Ipv6ProximityTable
Restrictions	Only IPv6 proximity items can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ChassisID	ID of the device that holds the card.	Index	Unsigned integer. Value range: 0 to 255.	N/A
SlotID	Member ID of the card on device.	Index	Unsigned integer. Value range: 0 to 255.	N/A
CPUID	ID of the CPU on the card.	Index	Unsigned integer. Value range: 0 to 255.	N/A
VRF	VRF name.	Index	String. Length: 0 to 31 characters.	The null string indicates public network.
Ipv6Address	IPv6 address.	Index	Hexadecimal string, colon-separated.	N/A
Ipv6PrefixLength	IPv6 prefix length.	Index	Unsigned integer. Value range: 1 to 128.	N/A
Lifetime	Lifetime of proximity items.	N/A	Unsigned integer. Value range: 0 to 3600.	N/A
BestLinkType	Type of the best link.	N/A	Enumeration: <ul style="list-style-type: none"> 0—None. 1—Real server. 2—Link. 	N/A
BestRealServer	The best real server name.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
BestLink	The best link name.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
TimesUsed	Number of times the proximity entry was used.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A

LB/Ipv4ProximityNodes

This table contains information about the real servers of ipv4 proximity item.

XML structure

```
<LB>
  <Ipv4ProximityNodes>
    <Ipv4ProximityNode>
      <ChassisID></ChassisID>
      <SlotID></SlotID>
      <CPUID></CPUID>
      <VRF></VRF>
      <Ipv4Address></Ipv4Address>
      <Ipv4PrefixLength></Ipv4PrefixLength>
      <Priority></Priority>
      <LinkType></LinkType>
      <RealServer></RealServer>
      <Link></Link>
      <RTT></RTT>
      <TTL></TTL>
    </Ipv4ProximityNode>
  </Ipv4ProximityNodes>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	Ipv4ProximityNodes
Table type	Multi-instance table
Row name	Ipv4ProximityNode
Restrictions	Only IPv4 proximity node can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ChassisID	ID of the device that holds the card.	Index	Unsigned integer. Value range: 0 to 255.	N/A
SlotID	Member ID of the card on device.	Index	Unsigned integer. Value range: 0 to 255.	N/A
CPUID	ID of the CPU on the card.	Index	Unsigned integer. Value range: 0 to 255.	N/A
VRF	VRF name.	Index	String. Length: 0 to 31 characters.	The null string indicates public network.

Column name	Column description	Column type	Data type and restrictions	Remarks
Ipv4Address	IPv4 address.	Index	String. Dotted decimal notation.	N/A
Ipv4PrefixLength	IPv4 mask length.	Index	Unsigned integer. Value range: 0 to 32.	N/A
Priority	Priority.	Index	Unsigned integer. Value range: 1 to $2^{32}-1$.	N/A
LinkType	Type of the link.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Real server. 2—Link. 	N/A
RealServer	Real server name.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
Link	Link name.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
RTT	Roundtrip time of the proximity probe.	N/A	Unsigned integer. Value range: 0 to 86400000. Unit: millisecond	N/A
TTL	Time to live of the proximity probe.	N/A	Unsigned integer. Value range: 0 to 256.	N/A

LB/Ipv6ProximityNodes

This table contains information about the real servers of ipv6 proximity item.

XML structure

```

<LB>
  <Ipv6ProximityNodes>
    <Ipv6ProximityNode>
      <ChassisID></ChassisID>
      <SlotID></SlotID>
      <CPUID></CPUID>
      <VRF></VRF>
      <Ipv6Address></Ipv6Address>
      <Ipv6PrefixLength></Ipv6PrefixLength>
      <Priority></Priority>
      <LinkType></LinkType>
      <RealServer></RealServer>
      <Link></Link>

```

```

    <RTT></RTT>
    <TTL></TTL>
  </Ipv6ProximityNode>
</Ipv6ProximityNodes>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	Ipv6ProximityNodes
Table type	Multi-instance table
Row name	Ipv6ProximityNode
Restrictions	Only IPv6 proximity node can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ChassisID	ID of the device that holds the card.	Index	Unsigned integer. Value range: 0 to 255.	N/A
SlotID	Member ID of the card on device.	Index	Unsigned integer. Value range: 0 to 255.	N/A
CPUID	ID of the CPU on the card.	Index	Unsigned integer. Value range: 0 to 255.	N/A
VRF	VRF name.	Index	String. Length: 0 to 31 characters.	The null string indicates public network.
Ipv6Address	IPv6 address.	Index	Hexadecimal string, colon-separated.	N/A
Ipv6PrefixLength	IPv6 prefix length.	Index	Unsigned integer. Value range: 1 to 128.	N/A
Priority	Priority.	Index	Unsigned integer. Value range: 1 to $2^{32}-1$.	N/A
LinkType	Type of the link.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Real server. 2—Link. 	N/A
RealServer	Real server name.	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
Link	Link name.	N/A	String,	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			case-insensitive. Length: 1 to 63 characters.	
RTT	Roundtrip time of the proximity probe.	N/A	Unsigned integer. Value range: 0 to 86400000. Unit: millisecond	N/A
TTL	Time to live of the proximity probe.	N/A	Unsigned integer. Value range: 0 to 256.	N/A

LB/Specifications

This table contains information about the LB function specification.

XML structure

```

<LB>
  <Specifications>
    <SupportHotbackup></SupportHotbackup>
    <SupportSLB></SupportSLB>
  </Specifications>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	Specifications
Table type	Single-instance table
Row name	N/A
Restrictions	Only LB function specification can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SupportHotbackup	Hot backup function is supported or not.	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
SupportSLB	SLB function is supported or not	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported. 	N/A

LB/ALG

This table contains information about ALG.

XML structure

```

<LB>
  <ALG>
    <DnsEnable></DnsEnable>
    <FtpEnable></FtpEnable>
    <H323Enable></H323Enable>
    <IcmpEnable></IcmpEnable>
    <IlsEnable></IlsEnable>
    <MgcpEnable></MgcpEnable>
    <NbtEnable></NbtEnable>
    <PptpEnable></PptpEnable>
    <RshEnable></RshEnable>
    <RtspEnable></RtspEnable>
    <SccpEnable></SccpEnable>
    <SipEnable></SipEnable>
    <SqlnetEnable></SqlnetEnable>
    <TftpEnable></TftpEnable>
    <XdmcpEnable></XdmcpEnable>
  </ALG>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	ALG
Table type	Single-instance table
Row name	N/A
Restrictions	Only ALG can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DnsEnable	Enable the DNS protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
FtpEnable	Enable the FTP protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
H323Enable	Enable the H323 protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
IcmpEnable	Enable the ICMP protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
IlsEnable	Enable the ILS protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
MgcpEnable	Enable the MGCP protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
NbtEnable	Enable the NBT protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
PptpEnable	Enable the PPTP protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
RshEnable	Enable the RSH protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
RtspEnable	Enable the RTSP protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
SccpEnable	Enable the SCCP protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
SipEnable	Enable the SIP protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
SqlnetEnable	Enable the SQLNET protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
TftpEnable	Enable the TFTP protocol	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	service.		<ul style="list-style-type: none"> 1—Enable. 	
XdmcpEnable	Enable the XDMCP protocol service.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A

LB/ProximityStats

This table contains information about proximity entries.

XML structure

```

<LB>
  <ProximityStats>
    <ProximityStat>
      <ChassisID></ChassisID>
      <SlotID></SlotID>
      <CPUID></CPUID>
      <VRF></VRF>
      <TotalCount></TotalCount>
      <Ipv4Count></Ipv4Count>
      <Ipv6Count></Ipv6Count>
    </ProximityStat>
  </ProximityStats>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	ProximityStats
Table type	Multi-instance table
Row name	ProximityStat
Restrictions	Only proximity can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ChassisID	ID of the device that holds the card.	Index	Unsigned integer. Value range: 0 to 255.	N/A
SlotID	Member ID of	Index	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	the card on device.		Value range: 0 to 255.	
CPUID	ID of the CPU on the card.	Index	Unsigned integer. Value range: 0 to 255.	N/A
VRF	VRF name.	Index	String. Length: 0 to 31 characters.	The null string indicates public network.
TotalCount	The number of total proximity entries.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A
Ipv4Count	The number of IPv4 proximity entries.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A
Ipv6Count	The number of IPv6 proximity entries.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A

LB/LimitPolicies

This table contains information about limit policies.

XML structure

```

<LB>
  <LimitPolicies>
    <LimitPolicy>
      <Name></Name>
      <Description></Description>
    </LimitPolicy>
  </LimitPolicies>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	LimitPolicies
Table type	Multi-instance table
Row name	LimitPolicy
Restrictions	Only limit policy can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the limit policy.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description information for the policy.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.

LB/LimitRules

This table contains information about limit policy rules.

XML structure

```
<LB>
  <LimitRules>
    <LimitRule>
      <Name></Name>
      <ID></ID>
      <AclVersion></AclVersion>
      <AclNum></AclNum>
      <AclName></AclName>
      <PerDestination></PerDestination>
      <PerSource></PerSource>
      <PerService></PerService>
      <ThresholdHigh></ThresholdHigh>
      <ThresholdLow></ThresholdLow>
    </LimitRule>
  </LimitRules>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	LimitRules
Table type	Multi-instance table
Row name	LimitRule
Restrictions	Only limit policy rule can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the limit policy.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
ID	ID of the limit policy rule.	Index	Unsigned integer. Value range: 1 to 65535.	N/A
AcIVersion	Version of ACL	N/A	Enumeration: <ul style="list-style-type: none"> 1—IPv4. 2—IPv6. 	N/A
AcINum	ACL number.	N/A	Unsigned integer. Value range: 2000 to 3999.	AcINum and AcIName are mutual exclusive and only one of them can be set in a single message.
AcIName	Name of the ACL.	N/A	String, case-insensitive. Length: 1 to 63 characters.	AcINum and AcIName are mutual exclusive and only one of them can be set in a single message.
PerDestination	Enable the per-destination connection limit.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
PerSource	Enable the per-source connection limit.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
PerService	Enable the per-service connection limit.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
ThresholdHigh	High threshold of the connections.	N/A	Unsigned integer. Value range: 1 to $2^{32}-1$.	ThresholdHigh must be greater or equal than ThresholdLow.
ThresholdLow	Low threshold of the connections.	N/A	Unsigned integer. Value range: 1 to $2^{32}-1$.	ThresholdHigh must be greater or equal than ThresholdLow.

LB/Links

This table contains information about link.

XML structure

```

<LB>
  <Links>
    <Link>
      <Name></Name>
      <Description></Description>
    </Link>
  </Links>
</LB>

```

```

<RouterType></RouterType>
<RouterInterface></RouterInterface>
<RouterIpv4Address></RouterIpv4Address>
<RouterIpv6Address></RouterIpv6Address>
<Weight></Weight>
<Priority></Priority>
<Cost></Cost>
<LinkGroup></LinkGroup>
<Shutdown></Shutdown>
<ProbeSuccessCriteria></ProbeSuccessCriteria>
<MaxConnectionLimit></MaxConnectionLimit>
<RateLimitConnection></RateLimitConnection>
<RateLimitBandwidth></RateLimitBandwidth>
<InRateLimitBandwidth></InRateLimitBandwidth>
<OutRateLimitBandwidth></OutRateLimitBandwidth>
<BandwidthBusyRatio></BandwidthBusyRatio>
<InBandwidthBusyRatio></InBandwidthBusyRatio>
<OutBandwidthBusyRatio></OutBandwidthBusyRatio>
<BandwidthBusyRecoverRatio></BandwidthBusyRecoverRatio>
<InBandwidthBusyRecoverRatio></InBandwidthBusyRecoverRatio>
<OutBandwidthBusyRecoverRatio></OutBandwidthBusyRecoverRatio>
<MaxBandwidth></MaxBandwidth>
<InMaxBandwidth></InMaxBandwidth>
<OutMaxBandwidth></OutMaxBandwidth>
<VRF></VRF>
<InheritVPN></InheritVPN>
<State></State>
</Link>
</Links>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	Links
Table type	Multi-instance table
Row name	Link
Restrictions	Only link can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the link.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the link.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
RouterType	The type of router.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Configure. 1—Auto. 	N/A
RouterInterface	Name of the router interface.	N/A	String. Case insensitive. Length: 1 to 47 characters.	N/A
RouterIpv4Address	IPv4 address.	N/A	String. Dotted decimal notation. By default, no IPv4 address is specified.	Example: 1.1.1.1. Loopback addresses, multicast addresses, broadcast addresses are not supported, and address such as 0.x.x.x are not supported either.
RouterIpv6Address	IPv6 address.	N/A	Hexadecimal string, colon-separated. By default, no IPv6 address is specified.	Example: 2::2. Loopback addresses, multicast addresses and link local addresses are not supported.
Weight	Weight of the link.	N/A	Unsigned integer. Value range: 1 to 255.	N/A
Priority	Priority of the link.	N/A	Unsigned integer. Value range: 1 to 8.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Cost	The cost of link bandwidth.	NA	Unsigned integer. Value range: 0 to 10240.	N/A
LinkGroup	Name of the link group.	N/A	String, case-insensitive. Length: 0 to 63 characters.	The null string indicates the label is not configured.
Shutdown	Shutdown state for the link.	N/A	Enumeration: <ul style="list-style-type: none"> • 0—Not configured. • 1—Shutdown. • 2—Slow-shutdown. 	N/A
ProbeSuccessCriteria	Probe success criteria for the real server.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. By default, the value is 0 which indicates that probe success criteria is all.	N/A
MaxConnectionLimit	Maximum connections limit number.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A
RateLimitConnection	Maximum connections rate limit number.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: cps.	N/A
RateLimitBandwidth	Maximum bandwidth rate limit number.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
InRateLimitBandwidth	Inbound maximum bandwidth rate limit number.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
OutRateLimitBandwidth	Outbound maximum bandwidth rate limit number.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
BandwidthBusyRatio	Total bandwidth busy ratio.	N/A	Unsigned integer. Value range: 1 to 100. By default, the value is 70.	N/A
InBandwidthBusyRatio	Inbound bandwidth busy ratio.	N/A	Unsigned integer. Value range: 1 to 100. By default, the value is 70.	N/A
OutBandwidthBusyRatio	Outbound bandwidth busy ratio.	N/A	Unsigned integer. Value range: 1 to 100. By default, the value is 70.	N/A
BandwidthBusyRecoverRatio	Total bound bandwidth busy recovery ratio.	N/A	Unsigned integer. Value range: 1 to 100. By default, the value is 60. The busy rate must be greater than or equal to the recovery rate.	N/A
InBandwidthBusyRecoverRatio	Inbound bandwidth busy recovery ratio.	N/A	Unsigned integer. Value range: 1 to 100. By default, the value is 60.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			The busy rate must be greater than or equal to the recovery rate.	
OutBandwidthBusyRecoverRatio	Outbandwidth busy recovery ratio.	N/A	Unsigned integer. Value range: 1 to 100. By default, the value is 60. The busy rate must be greater than or equal to the recovery rate.	N/A
MaxBandwidth	Max bandwidth.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
InMaxBandwidth	Max inbound bandwidth.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
OutMaxBandwidth	Max outbound bandwidth.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
State	State of the link.	N/A	Enumeration: <ul style="list-style-type: none"> • 0—Unavailable. • 1—Available. • 2—Slow-shutdown. • 3—Shutdown. • 4—Probe-failed. • 5—Standby. • 6—Ramp. • 8—Busy. 	N/A
VRF	VRF name.	N/A	String, Length: 0 to 31	The null string indicates public network.

Column name	Column description	Column type	Data type and restrictions	Remarks
			characters. By default, no VRF is specified.	
InheritVPN	Inherit the VPN.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable inherit the VPN 1—Enable inherit the VPN. 	N/A

LB/LinkProbes

This table contains information about link probe that only uses NQA template.

XML structure

```

<LB>
  <LinkProbes>
    <LinkProbe>
      <Link></Link>
      <Probe></Probe>
      <State></State>
    </LinkProbe>
  </LinkProbes>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	LinkProbes
Table type	Multi-instance table
Row name	LinkProbe
Restrictions	Only Link probe can be configured by this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Link	Name of the link.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Probe	Probe method for the link.	Index	String, case-insensitive. Length: 1 to 32 characters.	N/A
State	State of the real server probe.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Not exist. 1—Success. 2—Failed. 3—In the process. 	N/A

LB/LinkStats

This table contains stat information about link.

XML structure

```

<LB>
  <LinkStats>
    <LinkStat>
      <Name></Name>
      <ChassisID></ChassisID>
      <SlotID></SlotID>
      <CPUID></CPUID>
      <TotalConnections></TotalConnections>
      <ActiveConnections></ActiveConnections>
      <MaxConnections></MaxConnections>
      <ConnectionsPerSec></ConnectionsPerSec>
      <MaxConnectionPerSec></MaxConnectionPerSec>
      <DownstreamPKTs></DownstreamPKTs>
      <UpstreamPKTs></UpstreamPKTs>
      <DroppedPackets></DroppedPackets>
      <DownstreamTraffic></DownstreamTraffic>
      <UpstreamTraffic></UpstreamTraffic>
      <Bandwidth></Bandwidth>
      <MaxBandwidth></MaxBandwidth>
      <InBandwidth></InBandwidth>
      <OutBandwidth></OutBandwidth>
      <InMaxBandwidth></InMaxBandwidth>
      <OutMaxBandwidth></OutMaxBandwidth>
    </LinkStat>
  </LinkStats>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	LinkStats
Table type	Multi-instance table
Row name	LinkStat
Restrictions	Only stats of link can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the link.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
ChassisID	ID of the device that holds the card.	Index	Unsigned integer. Value range: 0 to 255.	N/A
SlotID	Member ID of the card on device.	Index	Unsigned integer. Value range: 0 to 255.	N/A
CPUID	ID of the CPU on the card.	N/A	Unsigned integer. Value range: 0 to 255.	N/A
TotalConnections	Total connections that the link received.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
ActiveConnections	Active connections that the link received.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A
MaxConnections	Max connections that the link received.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A
ConnectionsPerSec	Connections per second that the link received.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: cps.	N/A
MaxConnectionPerSec	Max connections per second that the link received.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: cps.	N/A
Downstream	Number of	N/A	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
PKTs	packets that the link received from device.		Value range: 0 to $2^{64}-1$.	
UpstreamPKTs	Number of packets that the link sent.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
DroppedPackets	Number of packets that the link dropped.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
DownstreamTraffic	Number of bytes that the link received from device.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$. Unit: Byte.	N/A
UpstreamTraffic	Number of bytes that the link sent.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$. Unit: Byte.	N/A
Bandwidth	Bandwidth of the link.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
MaxBandwidth	Max bandwidth of the link.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
InBandwidth	Inbound Bandwidth of the link.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
OutBandwidth	Outbound Bandwidth of the link.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
InMaxBandwidth	Inbound Max bandwidth of the link.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A
OutMaxBandwidth	Outbound Max bandwidth of the link.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A

LB/LinkOutInterfaces

This table contains out-interface rate stat information about link.

XML structure

```
<LB>
  <LinkOutInterfaces>
    <LinkOutInterface>
      <Name></Name>
      <InputRate></InputRate>
      <OutputRate></OutputRate>
    </LinkOutInterface>
  </LinkOutInterfaces>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	LinkOutInterfaces
Table type	Multi-instance table
Row name	LinkOutInterface
Restrictions	Only out-interface rate stats of link can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the link.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
InputRate	Input rate of the link out interface.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$. Unit: Bytes/s.	N/A
OutputRate	Output rate of the link out interface.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$. Unit: Bytes/s.	N/A

LB/LinkGroups

This table contains information about link group.

XML structure

```
<LB>
  <LinkGroups>
    <LinkGroup>
      <Name></Name>
      <Description></Description>
      <Predictor></Predictor>
      <HashIpv4PrefixLength></HashIpv4PrefixLength>
      <HashIpv6PrefixLength></HashIpv6PrefixLength>
      <SelectLinkMinNumber></SelectLinkMinNumber>
      <SelectLinkMaxNumber></SelectLinkMaxNumber>
      <SlowOnlineEnable></SlowOnlineEnable>
      <SlowOnlineStandbyTime></SlowOnlineStandbyTime>
      <SlowOnlineRampUpTime></SlowOnlineRampUpTime>
      <Transparent></Transparent>
      <ActivateLower></ActivateLower>
      <ActivateUpper></ActivateUpper>
      <SNATPool></SNATPool>
      <FailAction></FailAction>
      <ProbeSuccessCriteria></ProbeSuccessCriteria>
      <TotalLink></TotalLink>
      <ActiveLink></ActiveLink>
      <State></State>
      <ProximityEnable></ProximityEnable>
    </LinkGroup>
  </LinkGroups>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	LinkGroups
Table type	Multi-instance table
Row name	LinkGroup
Restrictions	Only link group can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the link group.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
Description	Description of the link group.	N/A	String. Length: 0 to 127 characters.	The null string indicates the label is not configured.
Predictor	Predictor algorithm for LB to select a link to forward packet.	N/A	Enumeration: <ul style="list-style-type: none"> • 0—Round-robin. • 1—Random. • 2—Least-connection. • 3—Hash source address. • 4—Hash source port. • 5—Hash destination address. • 6—Bandwidth. • 7—Inbound bandwidth. • 8—Outbound bandwidth. • 9—Max bandwidth. • 10—Max inbound bandwidth. • 11—Max Outbound bandwidth. 	N/A
HashIpv4PrefixLength	Length of IPv4 address mask for hash algorithm.	N/A	Unsigned integer. Value range: 0 to 32.	N/A
HashIpv6PrefixLength	Length of IPv6 address prefix for hash algorithm.	N/A	Unsigned integer. Value range: 0 to 128.	N/A
SelectLinkMinNumber	Minimum number of the active link in the link group.	N/A	Unsigned integer. Value range: 1 to 1000.	N/A
SelectLinkMaxNumber	Maximum number of the active link in the link group.	N/A	Unsigned integer. Value range: 1 to 1000.	N/A
SlowOnline	Enable the link group slow	N/A	Enumeration:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Enable	online.		<ul style="list-style-type: none"> 0—Disable. 1—Enable. 	
SlowOnlineStandbyTime	Standby time of the slow online.	N/A	Unsigned integer. Value range: 0 to 600. Unit: second.	N/A
SlowOnlineRampUpTime	Ramp up time of the slow online.	N/A	Unsigned integer. Value range: 3 to 600. Unit: second.	N/A
Transparent	Disable NAT for the server farm.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
ActivateLower	The status of main link group will be changed from in use to backup when the ratio of the available links in main link group becomes smaller than this value.	N/A	Unsigned integer. Value range: 1 to 99.	N/A
ActivateUpper	The status of main link group will be changed from backup to in use when the ratio of the available links in main link group reaches or over this value.		Unsigned integer. Value range: 1 to 99.	N/A
SNATPool	SNAT pool for the link group.	N/A	String, case-insensitive. Length: 0 to 63 characters.	N/A
FailAction	Specify the action that the LB takes with respect to connections if any link fails in a link group.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Keep. 1—Reset. 2—Reschedule. 	N/A
ProbeSuccessCriteria	The condition that link is available through probes.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
TotalLink	Total number of links in the link group.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A
ActiveLink	Active number of links in the link group.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A
State	State of the link group.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Unavailable. 1—Available. 	N/A
ProximityEnable	Enable the proximity.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A

LB/LinkGroupProbes

This table contains information about Link Group Probe that only uses NQA template.

XML structure

```

<LB>
  <LinkGroupProbes>
    <LinkGroupProbe>
      <LinkGroup></LinkGroup>
      <Probe></Probe>
    </LinkGroupProbe>
  </LinkGroupProbes>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	LinkGroupProbes
Table type	Multi-instance table
Row name	LinkGroupProbe
Restrictions	Only link group probe can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LinkGroup	Name of the link group.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
Probe	Probe method for the link group.	Index	String, case-insensitive. Length: 1 to 32 characters.	N/A

LB/LinkGroupStats

This table contains stat information about link group.

XML structure

```
<LB>
  <LinkGroupStats>
    <LinkGroupStat>
      <Name></Name>
      <ChassisID></ChassisID>
      <SlotID></SlotID>
      <CPUID></CPUID>
      <TotalConnections></TotalConnections>
      <ActiveConnections></ActiveConnections>
      <ConnectionsPerSec></ConnectionsPerSec>
      <DownstreamPKTs></DownstreamPKTs>
      <UpstreamPKTs></UpstreamPKTs>
      <DroppedPackets></DroppedPackets>
      <DownstreamTraffic></DownstreamTraffic>
      <UpstreamTraffic></UpstreamTraffic>
      <Bandwidth></Bandwidth>
    </LinkGroupStat>
  </LinkGroupStats>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	LinkGroupStats
Table type	Multi-instance table
Row name	LinkGroupStat
Restrictions	Only stats of link group can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the link group.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
ChassisID	ID of the device that holds the card.	Index	Unsigned integer. Value range: 0 to 255.	N/A
SlotID	Member ID of the card on device.	Index	Unsigned integer. Value range: 0 to 255.	N/A
CPUID	ID of the CPU on the card.	N/A	Unsigned integer. Value range: 0 to 255.	N/A
TotalConnections	Total connections that the link group received.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
ActiveConnections	Active connections that the link group received.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A
ConnectionsPerSec	Connections per second that the link group received.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: cps.	N/A
DownstreamPKTs	Number of packets that the link group received from device.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
UpstreamPKTs	Number of packets that the link group sent.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
DroppedPackets	Number of packets that the link group dropped.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
DownstreamTraffic	Number of bytes that the link group received from device.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$. Unit: Byte.	N/A
UpstreamTraffic	Number of bytes that the link group	N/A	Unsigned integer. Value range: 0 to	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	sent.		$2^{04}-1$. Unit: Byte.	
Bandwidth	Bandwidth of the link group.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$. Unit: KB/s.	N/A

LB/Regions

This table contains information about region.

XML structure

```
<LB>
  <Regions>
    <Region>
      <Name></Name>
    </Region>
  </Regions>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	Regions
Table type	Multi-instance table
Row name	Region
Restrictions	Only region can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the link.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A

LB/RegionISPs

This table contains information about region ISP.

XML structure

```
<LB>
  <RegionISPs>
    <RegionISP>
      <Region></Region>
      <ISP></ISP>
    </RegionISP>
  </RegionISPs>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	RegionISPs
Table type	Multi-instance table
Row name	RegionISP
Restrictions	Only Region ISP can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Region	Name of the region.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
ISP	ISP for the region.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A

LB/TopologyRegions

This table contains information about topology region.

XML structure

```
<LB>
  <TopologyRegions>
```

```

<TopologyRegion>
  <RegionName></RegionName>
  <Ipv4Address></Ipv4Address>
  <Ipv4MaskLength></Ipv4MaskLength>
  <Ipv6Address></Ipv6Address>
  <Ipv6PrefixLength></Ipv6PrefixLength>
  <Weight></Weight>
</TopologyRegion>
</TopologyRegions>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	TopologyRegions
Table type	Multi-instance table
Row name	TopologyRegion
Restrictions	Only TopologyRegion can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RegionName	Name of the topology region.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Ipv4Address	IPv4 address.	N/A	String. Dotted decimal notation. By default, no IPv4 address is specified.	Example: 1.1.1.1.
Ipv4MaskLength	IPv4 mask length.	N/A	Unsigned integer. Value range: 0 to 32. By default, the value is 32.	N/A
Ipv6Address	IPv6 address.	N/A	Hexadecimal string, colon-separated. By default, no IPv6 address is specified.	Example: 2::2.
Ipv6PrefixLength	IPv6 prefix length.	N/A	Unsigned integer. Value range: 0 to 128. By default, the value is 128.	N/A
Weight	Weight of the	N/A	Unsigned integer.	A larger value means a higher

Column name	Column description	Column type	Data type and restrictions	Remarks
	topology region.		Value range: 1 to 255. By default, the value is 100.	weight.

LB/TopologyRegionIPv4s

This table contains information about an IPv4 topology region.

XML structure

```

<LB>
  <TopologyRegionIPv4s>
    <TopologyRegionIPv4>
      <RegionName></RegionName>
      <IPv4Address></IPv4Address>
      <IPv4MaskLength></IPv4MaskLength>
      <Weight></Weight>
    </TopologyRegionIPv4>
  </TopologyRegionIPv4s>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	TopologyRegionIPv4s
Table type	Multi-instance table
Row name	TopologyRegion
Restrictions	Only TopologyRegionIPv4 can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RegionName	Name of the topology region.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
IPv4Addresses	IPv4 address.	N/A	String. Dotted decimal notation. By default, no IPv4	Example: 1.1.1.1.

Column name	Column description	Column type	Data type and restrictions	Remarks
			address is specified.	
IPv4MaskLength	IPv4 mask length.	N/A	Unsigned integer. Value range: 0 to 32. By default, the value is 32.	N/A
Weight	Weight of the topology region.	N/A	Unsigned integer. Value range: 1 to 255. By default, the value is 100.	A larger value means a higher weight.

LB/TopologyRegionIPv6s

This table contains information about an IPv6 topology region.

XML structure

```

<LB>
  <TopologyRegionIPv6s>
    <TopologyRegionIPv6>
      <RegionName></RegionName>
      <IPv6Address></IPv6Address>
      <IPv6PrefixLength></IPv6PrefixLength>
      <Weight></Weight>
    </TopologyRegionIPv6>
  </TopologyRegionIPv6s>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	TopologyRegionIPv6s
Table type	Multi-instance table
Row name	TopologyRegion
Restrictions	Only TopologyRegionIPv6 can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RegionName	Name of the topology	Index	String, case-insensitive.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	region.		Length: 1 to 63 characters.	
IPv6Addresses	IPv6 address.	N/A	Hexadecimal string, colon-separated. By default, no IPv6 address is specified.	Example: 2::2.
IPv6PrefixLength	IPv6 prefix length.	N/A	Unsigned integer. Value range: 0 to 128. By default, the value is 128.	N/A
Weight	Weight of the topology region.	N/A	Unsigned integer. Value range: 1 to 255. By default, the value is 100.	A larger value means a higher weight.

LB/DNSListeners

This table contains information about a DNS listener.

XML structure

```

<LB>
  <DNSListeners>
    <DNSListener>
      <Name></Name>
      <VRF></VRF>
      <Ipv4Address></Ipv4Address>
      <Ipv6Address></Ipv6Address>
      <PortNumber></PortNumber>
      <IPv6PortNumber></IPv6PortNumber>
      <ServiceEnable></ServiceEnable>
      <Fallback></Fallback>
    </DNSListener>
  </DNSListeners>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	DNSListeners
Table type	Multi-instance table
Row name	DNSListener
Restrictions	Only DNS Listener can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the DNS listener.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
VRF	VRF name.	N/A	String, Length: 0 to 31 characters. By default, no VRF is specified.	The null string indicates public network.
Ipv4Address	IPv4 address.	N/A	String. Dotted decimal notation. By default, no IPv4 address is specified.	Example: 1.1.1.1. Loopback addresses, multicast addresses and broadcast addresses are not supported, and addresses such as 0.x.x.x are not supported either.
Ipv6Address	IPv6 address.	N/A	Hexadecimal string, colon-separated. By default, no IPv6 address is specified.	Example: 2::2. Loopback addresses, multicast addresses and link local addresses are not supported.
PortNumber	Number of port.	N/A	Unsigned integer. Value range: 1 to 65535. By default, the value is 53.	N/A
IPv6PortNumber	Number of IPv6 port.	N/A	Unsigned integer. Value range: 1 to 65535.	N/A
ServiceEnable	Enable the DNS listener.	N/A	Enumeration: <ul style="list-style-type: none">0—Disable.1—Enable.	N/A
Fallback	Fallback action.	N/A	Enumeration: <ul style="list-style-type: none">0—No-response.1—Reject.2—Dns proxy.	N/A

LB/DNSListenerStats

This table contains stat information about DNS listener.

XML structure

```
<LB>
  <DNSListenerStats>
```

```

<DNSListenerStat>
  <Name></Name>
  <ChassisID></ChassisID>
  <SlotID></SlotID>
  <CPUID></CPUID>
  <ReceivedRequests></ReceivedRequests>
  <ReceivedValidRequests></ReceivedValidRequests>
  <UnrespondedRequests></UnrespondedRequests>
  <RejectedRequests></RejectedRequests>
</DNSListenerStat>
</DNSListenerStats>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	DNSListenerStats
Table type	Multi-instance table
Row name	DNSListenerStat
Restrictions	Only stats of DNS listener can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the DNS listener.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
ChassisID	ID of the device that holds the card.	Index	Unsigned integer. Value range: 0 to 255.	N/A
SlotID	Member ID of the card on device.	Index	Unsigned integer. Value range: 0 to 255.	N/A
CPUID	ID of the CPU on the card.	Index	Unsigned integer. Value range: 0 to 255.	N/A
ReceivedRequests	Number of requests that the DNS listener received from device.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
ReceivedValidRequests	Number of valid requests that the DNS	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	listener received from device.			
Unresponde dRequests	Number of unresponded requests that the DNS listener received from device.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
RejectedRe quests	Number of rejected requests that the DNS listener received from device.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A

LB/DNSListenerTypeStats

This table contains different type stat information about DNS listener.

XML structure

```

<LB>
  <DNSListenerTypeStats>
    <DNSListenerTypeStat>
      <Name></Name>
      <Type></Type>
      <ChassisID></ChassisID>
      <SlotID></SlotID>
      <CPUID></CPUID>
      <ReceivedRequests></ReceivedRequests>
      <ReceivedValidRequests></ReceivedValidRequests>
      <UnrespondedRequests></UnrespondedRequests>
      <RejectedRequests></RejectedRequests>
    </DNSListenerTypeStat>
  </DNSListenerTypeStats>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	DNSListenerTypeStats
Table type	Multi-instance table

Row name	DNSListenerTypeStat
Restrictions	Only different type stats of DNS listener can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the DNS listener.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Type	Type of the DNS listener statistics.	Index	Enumeration: <ul style="list-style-type: none"> 0—A. 1—AAAA. 2—CNAME. 3—MX. 4—NS. 5—PTR. 6—SOA. 7—TXT. 8—SRV. 	N/A
ChassisID	ID of the device that holds the card.	Index	Unsigned integer. Value range: 0 to 255.	N/A
SlotID	Member ID of the card on device.	Index	Unsigned integer. Value range: 0 to 255.	N/A
CPUID	ID of the CPU on the card.	Index	Unsigned integer. Value range: 0 to 255.	N/A
ReceivedRequests	Number of requests that the DNS listener received from device.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
ReceivedValidRequests	Number of valid requests that the DNS listener received from device.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
UnrespondedRequests	Number of unresponded requests that the DNS listener received from device.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
RejectedRequests	Number of rejected	N/A	Unsigned integer. Value range: 0 to	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	requests that the DNS listener received from device.		2 ⁰⁴ -1.	

LB/DNSProxies

This table contains information about DNS proxies.

XML structure

```

<LB>
  <DNSProxies>
    <DNSProxy>
      <Name></Name>
      <Type></Type>
      <VRF></VRF>
      <PortNumber></PortNumber>
      <ServiceEnable></ServiceEnable>
      <DefaultDNSServerPool></DefaultDNSServerPool>
      <Policy></Policy>
      <BusyProtectEnable></BusyProtectEnable>
      <ConnSynEnable></ConnSynEnable>
      <State></State>
      <StickySynEnable></StickySynEnable>
      <StickyGroup></StickyGroup>
      <Ipv4Address></Ipv4Address>
      <Ipv4PrefixLength></Ipv4PrefixLength>
      <Ipv6Address></Ipv6Address>
      <Ipv6PrefixLength></Ipv6PrefixLength>
    </DNSProxy>
  </DNSProxies>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	DNSProxies
Table type	Multi-instance table
Row name	DNSProxy
Restrictions	Only DNS proxy can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the DNS proxy.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Type	Type of the DNS proxy.	N/A	Enumeration: • 0—UDP	N/A
VRF	VRF name.	N/A	String, Length: 0 to 31 characters	The null string indicates public network.
PortNumber	Number of port.	N/A	Unsigned integer. Value range: 1 to 65535	N/A
ServiceEnable	Enable the DNS proxy.	N/A	Enumeration: • 0—Disable. • 1—Enable.	N/A
DefaultDNSServerPool	Name of the default DNS server pool.	N/A	String, case-insensitive. Length: 1 to 63 characters.	The null string indicates the label is not configured.
Policy	Name of the policy.	N/A	String, case-insensitive. Length: 1 to 63 characters.	The null string indicates the label is not configured.
BusyProtectEnable	Enable bandwidth busy protection.	N/A	Enumeration: • 0—Disable. • 1—Enable.	N/A
ConnSynEnable	Enable the connection synchronization.	N/A	Enumeration: • 0—Disable. • 1—Enable.	N/A
State	State of the DNS proxy.	N/A	Enumeration: • 0—Unavailable. • 1—Available. • 2—Disable.	N/A
StickySynEnable	Enable the sticky synchronization.	N/A	Enumeration: • 0—Disable. • 1—Enable.	N/A
StickyGroup	Name of the sticky group.	N/A	String, case-insensitive. Length: 0 to 63	The null string indicates the label is not configured.

Column name	Column description	Column type	Data type and restrictions	Remarks
			characters.	
Ipv4Address	IPv4 address.	N/A	String. Dotted decimal notation.	Example: 1.1.1.1.
Ipv4PrefixLength	IPv4 mask length.	N/A	Unsigned integer. Value range: 0 to 32.	N/A
Ipv6Address	IPv6 address.	N/A	Hexadecimal string, colon-separated.	Example: 2::2.
Ipv6PrefixLength	IPv6 prefix length.	N/A	Unsigned integer. Value range: 0 to 128.	N/A

LB/DNSProxyStats

This table contains stat information about DNS proxy.

XML structure

```

<LB>
  <DNSProxyStats>
    <DNSProxyStat>
      <Name></Name>
      <ChassisID></ChassisID>
      <SlotID></SlotID>
      <CPUID></CPUID>
      <ReceivedRequests></ReceivedRequests>
      <DroppedRequests></DroppedRequests>
      <ReceivedResponses></ReceivedResponses>
      <DroppedResponses></DroppedResponses>
      <SentResponses></SentResponses>
    </DNSProxyStat>
  </DNSProxyStats>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	DNSProxyStats
Table type	Multi-instance table
Row name	DNSProxyStat
Restrictions	Only stats of DNS proxy can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the DNS proxy.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
ChassisID	ID of the device that holds the card.	Index	Unsigned integer. Value range: 0 to 255.	N/A
SlotID	Member ID of the card on device.	Index	Unsigned integer. Value range: 0 to 255.	N/A
CPUID	ID of the CPU on the card.	N/A	Unsigned integer. Value range: 0 to 255.	N/A
ReceivedRequests	Number of DNS requests that the DNS proxy has received.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
DroppedRequests	Number of DNS requests that the DNS proxy has dropped.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
ReceivedResponses	Number of DNS responses that the DNS proxy has received.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
DroppedResponses	Number of DNS responses that the DNS proxy has dropped.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
SentResponses	Number of DNS responses that the DNS proxy has sent.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A

LB/DNSServers

This table contains information about DNS server.

XML structure

```
<LB>
  <DNSServers>
    <DNSServer>
```

```

<Name></Name>
<Description></Description>
<AutoAllocAddress></AutoAllocAddress>
<Ipv4Address></Ipv4Address>
<Ipv6Address></Ipv6Address>
<PortNumber></PortNumber>
<DNSServerPool></DNSServerPool>
<Link></Link>
<Weight></Weight>
<Priority></Priority>
<ProbeSuccessCriteria></ProbeSuccessCriteria>
<State></State>
</DNSServer>
</DNSServers>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	DNSServers
Table type	Multi-instance table
Row name	DNSServer
Restrictions	Only DNS server can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the DNS server.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the real server.	N/A	String. Length: 1 to 127 characters.	The null string indicates the label is not configured.
AutoAllocAddress	Automatic allocable address for DNS server. Include IPv4 address and IPv6 address.	N/A	Numeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
Ipv4Address	IPv4 address.	N/A	String. Dotted decimal notation.	Example: 1.1.1.1.

Column name	Column description	Column type	Data type and restrictions	Remarks
Ipv6Address	IPv6 address.	N/A	Hexadecimal string, colon-separated.	Example: 2::2.
PortNumber	Number of port.	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
DNSServerPool	Name of the DNS server pool.	N/A	String, case-insensitive. Length: 1 to 63 characters.	The null string indicates the label is not configured.
Link	Name of the link.	N/A	String, case-insensitive. Length: 1 to 63 characters.	The null string indicates the label is not configured.
Weight	Weight of the DNS server.	N/A	Unsigned integer. Value range: 1 to 255.	N/A
Priority	Priority of the DNS server.	N/A	Unsigned integer. Value range: 1 to 8.	N/A
ProbeSuccessCriteria	Probe success criteria for the DNS server.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A
State	State of the DNS server.	N/A	Enumeration: <ul style="list-style-type: none"> • 0—Unavailable. • 1—Available. • 2—Probe-failed. • 3—Busy. 	N/A

LB/DNSServerProbes

This table contains information about DNS server probe that only uses NQA template.

XML structure

```

<LB>
  <DNSServerProbes>
    <DNSServerProbe>
      <DNSServer></DNSServer>
      <Probe></Probe>
      <State></State>
    </DNSServerProbe>
  </DNSServerProbes>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	DNSServerProbes
Table type	Multi-instance table
Row name	DNSServerProbe
Restrictions	Only DNS server probe can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DNSServer	Name of the DNS server.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Probe	Probe method for the DNS server.	Index	String, case-insensitive. Length: 1 to 32 characters.	N/A
State	State of the DNS server probe.	N/A	Enumeration: <ul style="list-style-type: none">• 0—Not exist.• 1—Success.• 2—Failed.• 3—In the process.	N/A

LB/DNSServerStats

This table contains stat information about DNS server.

XML structure

```
<LB>
  <DNSServerStats>
    <DNSServerStat>
      <Name></Name>
      <ChassisID></ChassisID>
      <SlotID></SlotID>
      <CPUID></CPUID>
      <ReceivedRequests></ReceivedRequests>
      <DroppedRequests></DroppedRequests>
      <ReceivedResponses></ReceivedResponses>
      <DroppedResponses></DroppedResponses>
      <SentResponses></SentResponses>
    </DNSServerStat>
  </DNSServerStats>
</LB>
```

```
</DNSServerStats>  
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	DNSServerStats
Table type	Multi-instance table
Row name	DNSServerStat
Restrictions	Only stats of DNS server can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the DNS server.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
ChassisID	ID of the device that holds the card.	Index	Unsigned integer. Value range: 0 to 255.	N/A
SlotID	Member ID of the card on device.	Index	Unsigned integer. Value range: 0 to 255.	N/A
CPUID	ID of the CPU on the card.	N/A	Unsigned integer. Value range: 0 to 255.	N/A
ReceivedRequests	Number of DNS requests that the DNS server has received.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
DroppedRequests	Number of DNS requests that the DNS server has dropped.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
ReceivedResponses	Number of DNS responses that the DNS server has received.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
DroppedResponses	Number of DNS responses that the DNS server has	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	dropped.			
SentResponses	Number of DNS responses that the DNS server has sent.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A

LB/DNSServerPools

This table contains information about DNS server pool.

XML structure

```

<LB>
  <DNSServerPools>
    <DNSServerPool>
      <Name></Name>
      <Description></Description>
      <Predictor></Predictor>
      <HashIpv4PrefixLength></HashIpv4PrefixLength>
      <HashIpv6PrefixLength></HashIpv6PrefixLength>
      <SelectServerMinNumber></SelectServerMinNumber>
      <SelectServerMaxNumber></SelectServerMaxNumber>
      <ProbeSuccessCriteria></ProbeSuccessCriteria>
      <TotalDNSServer></TotalDNSServer>
      <ActiveDNSServer></ActiveDNSServer>
      <State></State>
    </DNSServerPool>
  </DNSServerPools>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	DNSServerPools
Table type	Multi-instance table
Row name	DNSServerPool
Restrictions	Only DNS server pool can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the DNS server pool.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Description	Description of the DNS server pool.	N/A	String. Length: 1 to 127 characters.	The null string indicates the label is not configured.
Predictor	Predictor algorithm for LB to select a DNS server to serve a DNS request.	N/A	Enumeration: <ul style="list-style-type: none"> • 0—Round-robin (default). • 1—Random. • 2—Bandwidth. • 3—Inbound bandwidth. • 4—Outbound bandwidth. • 5—Max bandwidth. • 6—Max inbound bandwidth. • 7—Max outbound bandwidth. • 8—Hash source address. • 9—Hash source port. • 10—Hash destination address. 	N/A
HashIpv4PrefixLength	Length of IPv4 address mask for hash algorithm.	N/A	Unsigned integer. Value range: 0 to 32.	N/A
HashIpv6PrefixLength	Length of IPv6 address prefix for hash algorithm.	N/A	Unsigned integer. Value range: 0 to 128.	N/A
SelectServerMinNumber	Minimum number of the active real server in the server farm.	N/A	Unsigned integer. Value range: 1 to 1000.	N/A
SelectServerMaxNumber	Maximum number of the active real server in the server farm.	N/A	Unsigned integer. Value range: 1 to 1000.	N/A
ProbeSuccessCriteria	The condition that real server	N/A	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	is available through probes.		Value range: 0 to $2^{32}-1$.	
TotalDNSServer	Total number of DNS servers in the DNS server pool.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A
ActiveDNSServer	Active number of DNS servers in the DNS server pool.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A
State	State of the DNS server pool.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Unavailable. 1—Available. 	N/A

LB/DNSServerPoolProbes

This table contains information about DNS server pool probe that only uses NQA template.

XML structure

```

<LB>
  <DNSServerPoolProbes>
    <DNSServerPoolProbe>
      <DNSServerPool></DNSServerPool>
      <Probe></Probe>
    </DNSServerPoolProbe>
  </DNSServerPoolProbes>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	DNSServerPoolProbes
Table type	Multi-instance table
Row name	DNSServerPoolProbe
Restrictions	Only DNS server pool probe can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DNSServerPool	Name of the DNS server pool.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Probe	Probe method for the DNS server pool.	Index	String, case-insensitive. Length: 1 to 32 characters.	N/A

LB/DNSServerPoolStats

This table contains stat information about DNS server pool.

XML structure

```
<LB>
  <DNSServerPoolStats>
    <DNSServerPoolStat>
      <Name></Name>
      <ChassisID></ChassisID>
      <SlotID></SlotID>
      <CPUID></CPUID>
      <ReceivedRequests></ReceivedRequests>
      <DroppedRequests></DroppedRequests>
      <ReceivedResponses></ReceivedResponses>
      <DroppedResponses></DroppedResponses>
      <SentResponses></SentResponses>
    </DNSServerPoolStat>
  </DNSServerPoolStats>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	DNSServerPoolStats
Table type	Multi-instance table
Row name	DNSServerPoolStat
Restrictions	Only stats of DNS server pool can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the DNS server pool.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
ChassisID	ID of the device that holds the card.	Index	Unsigned integer. Value range: 0 to 255.	N/A
SlotID	Member ID of the card on device.	Index	Unsigned integer. Value range: 0 to 255.	N/A
CPUID	ID of the CPU on the card.	N/A	Unsigned integer. Value range: 0 to 255.	N/A
ReceivedRequests	Number of DNS requests that the DNS server pool has received.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
DroppedRequests	Number of DNS requests that the DNS server pool has dropped.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
ReceivedResponses	Number of DNS responses that the DNS server pool has received.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
DroppedResponses	Number of DNS responses that the DNS server pool has dropped.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
SentResponses	Number of DNS responses that the DNS server pool has sent.	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A

LB/Log

This table contains information about LB logs.

XML structure

<LB>

```

<Log>
  <BaseEnable></BaseEnable>
  <NatEnable></NatEnable>
  <BandwidthBusyEnable></BandwidthBusyEnable>
</Log>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	Log
Table type	Single-instance table
Row name	N/A
Restrictions	Only log can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BaseEnable	Enable the base log of LB.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
NatEnable	Enable the NAT log of LB.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
BandwidthBusyEnable	Enable the bandwidth busy log of LB.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable (default). 1—Enable. 	N/A

LB/SnatArpInterfaces

This table contains information about SNAT interfaces.

XML structure

```

<LB>
  <SnatArpInterfaces>
    <SnatArpInterface>
      <SnatName></SnatName>
      <IfList>
        <IfIndex></IfIndex>
      </IfList>
    </SnatArpInterface>
  </SnatArpInterfaces>
</LB>

```

```

    </SnatArpInterfaces>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	SnatArpInterfaces
Table type	Multi-instance table
Row name	SnatArpInterface
Restrictions	Only SNAT interfaces can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SnatName	Name of the SNAT pool.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
IfList	Interface index list	Data structure	Members include: <ul style="list-style-type: none"> IfIndex. 	N/A
IfIndex	Interface index	N/A	Unsigned integer	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.

LB/VServerArpInterfaces

This table contains information about virtual server interfaces.

XML structure

```

<LB>
  <VServerArpInterfaces>
    <VServerArpInterface>
      <VServerName></VServerName>
      <IfList>
        <IfIndex></IfIndex>
      </IfList>
    </VServerArpInterface>
  </VServerArpInterfaces>
</LB>

```

Table description

Item	Description
Feature name	LB
Table name	VServerArpInterfaces
Table type	Multi-instance table
Row name	VServerArpInterface
Restrictions	Only virtual server interfaces can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VServerName	Name of the virtual server.	Index	String, case-insensitive. Length: 0 to 63 characters.	N/A
IfList	Interface index list	Data structure	Members include: <ul style="list-style-type: none">IfIndex.	N/A
IfIndex	Interface index	N/A	Unsigned integer	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.

LB/ProbeTemplate

This table contains information about probe template that is used for proximity.

XML structure

```
<LB>
  <ProbeTemplates>
    <ProbeTemplate>
      <Name></Name>
      <Type></Type>
      <Frequency></Frequency>
      <Timeout></Timeout>
    </ProbeTemplate>
  </ProbeTemplates>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	ProbeTemplate
Table type	Multi-instance table
Row name	N/A
Restrictions	Only probe template can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the probe template.	Index	String, case-insensitive. Length: 1 to 32 characters.	N/A
Type	Type of the probe template .	N/A	Enumeration: <ul style="list-style-type: none">0—ICMP.	N/A
Frequency	Frequency of the probe template.	N/A	Unsigned integer. Value range: 5 to 604800. Unit: second.	N/A
Timeout	Timeout time of the probe template.	N/A	Unsigned integer. Value range: 1 to 60. Unit: second.	N/A

LB/ISPWhoisMntners

This table contains information about ISP maintainer objects.

XML structure

```
<LB>
  <ISPWhoisMntners>
    <ISPWhoisMntner>
      <ISPName></ISPName>
      <WhoisMntner></WhoisMntner>
      <Origin></Origin>
    </ISPWhoisMntner>
  </ISPWhoisMntners>
</LB>
```


Table description

Item	Description
Feature name	LB
Table name	ISPWhoisMntners
Table type	Multi-instance table
Row name	ISPWhoisMntner
Restrictions	Only ISP whois maintainer objects can be gotten by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ISPName	Name of the ISP.	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
WhoisMntner	Name of the whois maintainer object.	Index	String, case-sensitive. Length: 1 to 63 characters.	N/A
Origin	Origin of ISP whois maintainer object.	N/A	Enumeration: <ul style="list-style-type: none">• 1—Import.• 2—Manual.• 3—Manual and import.	N/A

LB/ISPUpdate

This table contains information about ISP update.

XML structure

```
<LB>
  <ISPUpdate>
    <Enable></Enable>
    <Frequency></Frequency>
    <Type></Type>
    <Domain></Domain>
    <Ipv4Address></Ipv4Address>
    <SuccessUpdateTime></SuccessUpdateTime>
    <UpdateTime></UpdateTime>
    <UpdateCount></UpdateCount>
    <UpdateResult></UpdateResult>
```

```
</ISPUpdate>
</LB>
```

Table description

Item	Description
Feature name	LB
Table name	ISPUpdate
Table type	Single-instance table
Row name	N/A
Restrictions	Only ISP update can be configured by this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Enable	Enable ISP update.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
Frequency	Frequency of ISP update.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Per-day. 1—Per-week. 2—Per-month. 	N/A
Type	Type of the whois server.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Domain. 1—IPv4 address. 	N/A
Domain	Domain of the maintainer object.	N/A	String, case-insensitive. Length: 1 to 253 characters.	The null string indicates the label is not configured.
Ipv4Address	Address of the maintainer object.	N/A	String. Dotted decimal notation.	The null string indicates the label is not configured.
SuccessUpdateTime	Last successful update time.	N/A	DateTime. Format: YYYY-MM-DDTHH:MM:SS.	N/A
UpdateTime	Last update time.	N/A	DateTime. Format: YYYY-MM-DDTHH:MM:SS.	N/A
UpdateCount	Update count.	N/A	Unsigned integer. Value range: 0 to $2^{32}-1$.	N/A
UpdateResult	Result of ISP	N/A	Enumeration:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
lt	update.		<ul style="list-style-type: none"> • 0—Success. • 1—Connection error. • 2—Connection abort. • 3—DNS error. • 4—Initial. 	

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Ldap

Ldap/Schemes

LDAP scheme information table.

XML structure

```
<Ldap>
  <Schemes>
    <Scheme>
      <SchemeName></SchemeName>
      <ServerName></ServerName>
      <MapInstanceName></MapInstanceName>
    </Scheme>
  </Schemes>
</Ldap>
```

Table description

Item	Description
Feature name	Ldap
Table name	Schemes
Table type	Multi-instance table
Row name	Scheme
Restrictions	A maximum of 16 LDAP schemes are supported.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
SchemeName	LDAP scheme name.	Index	String, case-insensitive. Length: 1 to 32 characters.
ServerName	LDAP authentication server name.	N/A	String, case-insensitive. Length: 1 to 64 characters.
MapInstanceName	LDAP attribute map name.	N/A	String, case-insensitive. Length: 1 to 31 characters.

Ldap/Servers

LDAP server information table.

XML structure

```
<Ldap>
  <Servers>
    <Server>
      <ServerName></ServerName>
      <VRF></VRF>
      <IpType></IpType>
      <Host></Host>
      <Port></Port>
      <TimeOut></TimeOut>
      <ProtocolVersion></ProtocolVersion>
      <LoginDn></LoginDn>
      <LoginPassword></LoginPassword>
      <SearchScope></SearchScope>
      <SearchBaseDn></SearchBaseDn>
      <UserParas>
        <NameType></NameType>
        <NameFormat></NameFormat>
        <NameAttribute></NameAttribute>
        <ObjClassName></ObjClassName>
      </UserParas>
      <GroupFilter></GroupFilter>
    </Server>
  </Servers>
</Ldap>
```

Table description

Item	Description
Feature name	Ldap
Table name	Servers
Table type	Multi-instance table
Row name	Server
Restrictions	A maximum of 16 LDAP servers are supported.

Support for row creation and deletion	Yes
---------------------------------------	-----

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ServerName	LDAP server name.	Index	String, case-insensitive. Length: 1 to 64 characters.	N/A
VRF	The VPN to which the LDAP server belongs.	N/A	String, case-sensitive. Length: 1 to 31 characters.	The value in this column is valid when both the IpType and Host values are available. If either the IpType value or the Host value is unavailable, the system reports an error.
IpType	Type of the LDAP server address.	N/A	Enumeration: <ul style="list-style-type: none"> 0—IPv4. 1—IPv6. 2—FQDN. 	The value 2 for IpType is not supported currently. The value in this column is valid only when the Host value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Host	LDAP server.	N/A	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated. FQDN: String of 1 to 255 characters.	If the IpType value is 0, this column represents the IPv4 address of the server. If the IpType value is 1, this column represents the IPv6 address of the server. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Port	TCP port number of the LDAP server.	N/A	Unsigned integer. Value range: 1 to 65535.	Default: 389. The value in this column is valid when both the IpType and Host values are available. If either the IpType value or the Host value is unavailable, the system reports an error.
TimeOut	LDAP server	N/A	Unsigned integer.	Default: 10 seconds.

Column name	Column description	Column type	Data type and restrictions	Remarks
	timeout period, the maximum time that the device waits for an LDAP response.		Value range: 5 to 20, in seconds.	
ProtocolVersion	LDAP protocol version.	N/A	Enumeration: <ul style="list-style-type: none"> • 2—LDAPv2. • 3—LDAPv3. 	Default: 3.
LoginDn	Administrator DN.	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A
LoginPassword	Administrator password.	N/A	String. Length: 1 to 128 characters.	N/A
SearchScope	User search scope.	N/A	Enumeration: <ul style="list-style-type: none"> • 0—All subdirectories of the base DN. • 1—Next lower level of subdirectories under the base DN. 	Default: 0.
SearchBaseDn	User search base DN.	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A
UserParas	LDAP user attributes.	Data structure	Members include: <ul style="list-style-type: none"> • NameType. • NameFormat. • NameAttribute. • ObjClassName. 	N/A
NameType	User name attribute type.	N/A	Enumeration: <ul style="list-style-type: none"> • 1—The value in the NameAttribute column. • 2—The common name. • 3—The user ID. 	Default: 2.
NameFormat	Format of user names to be sent to LDAP servers.	N/A	Enumeration: <ul style="list-style-type: none"> • 0—with-domain. • 1—without-domain. 	Default: 1
NameAttribute	The value that represents a type of user name attribute.	N/A	String, case-insensitive. Length: 1 to 64 characters.	<p>This column is created only when the value of the NameType column is 1. If this column doesn't appear when the NameType value is 1, the system reports an error.</p> <p>The NameAttribute column must be deleted together with the NameType column. However, the NameType column can be deleted without the NameAttribute column.</p>

Column name	Column description	Column type	Data type and restrictions	Remarks
ObjClassName	User object class.	N/A	String, case-insensitive. Length: 1 to 64 characters.	N/A
GroupFilter	Filter condition for exporting user groups.	N/A	String, case-insensitive. Length: 1 to 127 characters.	Default: "(objectclass=group)"

Ldap/AttributeMaps

LDAP attribute map information table.

XML structure

```

<Ldap>
  <AttributeMaps>
    <AttributeMap>
      <MapName></MapName>
      <LdapAttrName></LdapAttrName>
      <Prefix></Prefix>
      <Delimiter></Delimiter>
      <AaaAttrType></AaaAttrType>
    </AttributeMap>
  </AttributeMaps>
</Ldap>

```

Table description

Item	Description
Feature name	Ldap
Table name	AttributeMaps
Table type	Multi-instance table
Row name	AttributeMap
Restrictions	A maximum of 16 LDAP attribute maps are supported.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
MapName	LDAP attribute map name.	Index	String, case-insensitive. Length: 1 to 31 characters.
LdapAttrName	LDAP attribute name.	Index	String, case-insensitive. Length: 1 to 63 characters.
Prefix	LDAP attribute prefix.	N/A	String, case-insensitive. Length: 0 to 7 characters.
Delimiter	LDAP attribute delimiter.	N/A	String, case-insensitive. Length: 0 to 1 characters.
AaaAttrType	AAA attribute type.	N/A	Enumeration: <ul style="list-style-type: none">• 1—user-group.• 2—user-profile.

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Ldap/AttributeMaps	5
XML structure	5
Table description.....	5
Columns.....	5

Ldap

Ldap/Schemes

LDAP scheme information table.

XML structure

```
<Ldap>
  <Schemes>
    <Scheme>
      <SchemeName></SchemeName>
      <ServerName></ServerName>
      <MapInstanceName></MapInstanceName>
    </Scheme>
  </Schemes>
</Ldap>
```

Table description

Item	Description
Feature name	Ldap
Table name	Schemes
Table type	Multi-instance table
Row name	Scheme
Restrictions	A maximum of 16 LDAP schemes are supported.

Columns

Column name	Column description	Column type	Data type and restrictions
SchemeName	LDAP scheme name.	Index	String, case-insensitive. Length: 1 to 32 characters.
ServerName	LDAP authentication server name.	N/A	String, case-insensitive. Length: 1 to 64 characters.
MapInstanceName	LDAP attribute map name.	N/A	String, case-insensitive. Length: 1 to 31 characters.

Ldap/Servers

LDAP server information table.

XML structure

```
<Ldap>
  <Servers>
    <Server>
      <ServerName></ServerName>
      <VRF></VRF>
      <IpType></IpType>
      <Host></Host>
      <Port></Port>
      <TimeOut></TimeOut>
      <ProtocolVersion></ProtocolVersion>
      <LoginDn></LoginDn>
      <SearchScope></SearchScope>
      <SearchBaseDn></SearchBaseDn>
      <UserParas>
        <NameType></NameType>
        <NameFormat></NameFormat>
        <NameAttribute></NameAttribute>
        <ObjClassName></ObjClassName>
      </UserParas>
      <GroupFilter></GroupFilter>
    </Server>
  </Servers>
</Ldap>
```

Table description

Item	Description
Feature name	Ldap
Table name	Servers
Table type	Multi-instance table
Row name	Server
Restrictions	A maximum of 16 LDAP servers are supported.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ServerName	LDAP server name.	Index	String, case-insensitive. Length: 1 to 64 characters.	N/A
VRF	The VPN to which the LDAP server belongs.	N/A	String, case-sensitive. Length: 1 to 31 characters.	The value in this column is valid when both the IpType and Host values are available. If either the IpType value or the Host value is unavailable, the system reports an error.
IpType	Type of the LDAP server address.	N/A	Enumeration: <ul style="list-style-type: none"> 0—IPv4. 1—IPv6. 2—FQDN. 	The value 2 for IpType is not supported currently. The value in this column is valid only when the Host value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Host	LDAP server.	N/A	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated. FQDN: String of 1 to 255 characters.	If the IpType value is 0, this column represents the IPv4 address of the server. If the IpType value is 1, this column represents the IPv6 address of the server. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Port	TCP port number of the LDAP server.	N/A	Unsigned integer. Value range: 1 to 65535.	Default: 389. The value in this column is valid only when both the IpType and Host values are available. When the server IP address is unavailable, the port number is not displayed.
TimeOut	LDAP server timeout period, the maximum time that the device waits for	N/A	Unsigned integer. Value range: 5 to 20, in seconds.	Default: 10 seconds.

Column name	Column description	Column type	Data type and restrictions	Remarks
	an LDAP response.			
ProtocolVersion	LDAP protocol version.	N/A	Enumeration: <ul style="list-style-type: none"> • 2—LDAPv2. • 3—LDAPv3. 	Default: 3.
LoginDn	Administrator DN.	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A
SearchScope	User search scope.	N/A	Enumeration: <ul style="list-style-type: none"> • 0—All subdirectories of the base DN. • 1—Next lower level of subdirectories under the base DN. 	Default: 0.
SearchBaseDn	User search base DN.	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A
UserParas	LDAP user attributes.	Data structure	Members include: <ul style="list-style-type: none"> • NameType. • NameFormat. • NameAttribute. • ObjClassName. 	N/A
NameType	User name attribute type.	N/A	Enumeration: <ul style="list-style-type: none"> • 1—The value in the NameAttribute column. • 2—The common name. • 3—The user ID. 	Default: 2.
NameFormat	Format of user names to be sent to LDAP servers.	N/A	Enumeration: <ul style="list-style-type: none"> • 0—with-domain. • 1—without domain. 	Default: 1.
NameAttribute	The value that represents a type of user name attribute.	N/A	String, case-insensitive. Length: 1 to 64 characters.	This column is created only when the value of the NameType column is 1. If this column doesn't appear when the NameType value is 1, the system reports an error. The NameAttribute column must be deleted together with the NameType column. However, the NameType column can be deleted without the NameAttribute column.
ObjClassName	User object class.	N/A	String, case-insensitive. Length: 1 to 64 characters.	N/A
GroupFilter	Filter condition for exporting user groups.	N/A	String, case-insensitive. Length: 1 to 127 characters.	Default: "(objectclass=group)"

Ldap/AttributeMaps

LDAP attribute map information table.

XML structure

```
<Ldap>
  <AttributeMaps>
    <AttributeMap>
      <MapName></MapName>
      <LdapAttrName></LdapAttrName>
      <Prefix></Prefix>
      <Delimiter></Delimiter>
      <AaaAttrType></AaaAttrType>
    </AttributeMap>
  </AttributeMaps>
</Ldap>
```

Table description

Item	Description
Feature name	Ldap
Table name	AttributeMaps
Table type	Multi-instance table
Row name	AttributeMap
Restrictions	A maximum of 16 LDAP attribute maps are supported.

Columns

Column name	Column description	Column type	Data type and restrictions
MapName	LDAP attribute map name.	Index	String, case-insensitive. Length: 1 to 31 characters.
LdapAttrName	LDAP attribute name.	Index	String, case-insensitive. Length: 1 to 63 characters.
Prefix	LDAP attribute prefix.	N/A	String, case-insensitive. Length: 0 to 7 characters.
Delimiter	LDAP attribute delimiter.	N/A	String, case-insensitive. Length: 0 to 1 characters.
AaaAttrType	AAA attribute	N/A	Enumeration:

Column name	Column description	Column type	Data type and restrictions
	type.		<ul style="list-style-type: none"> • 1—user-group. • 2—user-profile.

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LLDP

LLDP/GlobalStatus

This table contains LLDP global status information.

XML structure

```
<LLDP>
  <GlobalStatus>
    <Enable></Enable>
    <CDP></CDP>
    <TxInterval></TxInterval>
    <FastInterval></FastInterval>
    <ReInitDelay></ReInitDelay>
    <NotifyInterval></NotifyInterval>
    <Mode></Mode>
    <MaxCredit></MaxCredit>
    <HoldMult></HoldMult>
    <FastCount></FastCount>
  </GlobalStatus>
</LLDP>
```

Table description

Item	Description
Feature name	LLDP
Table name	GlobalStatus
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
Enable	Whether to enable LLDP globally.	N/A	Boolean: <ul style="list-style-type: none">true—Enable.false—Disable.

Column name	Column description	Column type	Data type and restrictions
CDP	Whether to enable CDP.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable.
TxInterval	Transmission interval for LLDP frames.	N/A	Unsigned integer. Value range: 5 to 32768. Unit: second.
FastInterval	Fast transmission interval for LLDP frames.	N/A	Unsigned integer. Value range: 1 to 3600. Unit: second.
ReInitDelay	Re-initialization delay.	N/A	Unsigned integer. Value range: 1 to 10. Unit: second.
NoFityInterval	Notification interval for traps.	N/A	Unsigned integer. Value range: 5 to 3600. Unit: second.
Mode	Bridge mode.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Customer bridge mode. 1—Service bridge mode.
MaxCredit	Token bucket size for sending LLDP frames.	N/A	Unsigned integer. Value range: 1 to 100.
HoldMult	TTL multiplier.	N/A	Unsigned integer. Value range: 2 to 10.
FastCount	Number of LLDP frames transmitted within a fast transmission interval.	N/A	Unsigned integer. Value range: 1 to 8.

LLDP/Interfaces

This table contains LLDP interface information.

XML structure

```

<LLDP>
  <Interfaces>
    <Interface>
      <IfIndex></IfIndex>
      <Enable></Enable>
      <CDP></CDP>
      <MEDTopoChange></MEDTopoChange>
    </Interface>
  </Interfaces>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	Interfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	In certain versions, this column supports interface name-to-index conversion. See the product xsd before use. See Table 1 for the format.
Enable	Whether to enable the interface.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	
CDP	Whether to enable CDP compatibility.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. CDP packets can be transmitted and received. false—Disable. 	
MEDTopoChange	Whether to enable LLDP-MED trapping.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	

Table 1 Interface operation status

Value	Operation status	Remarks
1	Single interface index	<IfIndex>1</IfIndex>
2	Single interface name	<IfIndex>GigabitEthernet 0/0/2</IfIndex>
3	Multiple interface names	<IfIndex>GigabitEthernet 0/0/2 to GigabitEthernet 0/0/3, GigabitEthernet 1/0/2 to GigabitEthernet 1/0/3, serial0/0/2</IfIndex>
4	Interface range name	<IfIndex>RangeName</IfIndex>

5	Mixture of interface range name and interface names	<IfIndex>RangeName ,GigabitEthernet 0/0/2 to GigabitEthernet 0/0/3, GigabitEthernet 1/0/2 to GigabitEthernet 1/0/3, serial0/0/2</IfIndex>
---	---	---

LLDP/IfAgents

This table contains LLDP interface agent information.

XML structure

```
<LLDP>
  <IfAgents>
    <IfAgent>
      <IfIndex></IfIndex>
      <AgentID></AgentID>
      <AdminStatus>
        <Tx></Tx>
        <Rx></Rx>
      </AdminStatus>
      <CheckChangeInterval></CheckChangeInterval>
      <Encap></Encap>
      <AddressFormat></AddressFormat>
      <RemoteChange></RemoteChange>
    </IfAgent>
  </IfAgents>
</LLDP>
```

Table description

Item	Description
Feature name	LLDP
Table name	IfAgents
Table type	Multi-instance table
Row name	IfAgent
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index.	Index	Unsigned integer.

Column name	Column description	Column type	Data type and restrictions
AgentID	LLDP agent ID.	Index	Enumeration: <ul style="list-style-type: none"> 1—Nearest bridge agent. 2—Nearest non-TPMR agent. 3—Nearest customer agent.
AdminStatus	LLDP operating mode of the interface.	Data structure	Members include: <ul style="list-style-type: none"> Tx. Rx.
Tx	Whether to enable the LLDP agent to only send LLDP frames.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable.
Rx	Whether to enable the LLDP agent to only receive LLDP frames.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable.
CheckChangeInterval	LLDP polling interval.	N/A	Unsigned integer. Value range: 1 to 30. Unit: second.
Encap	LLDP frame format.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Ethernet II encapsulation. 1—SNAP encapsulation.
AddressFormat	Management address format.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Number. 1—String.
RemoteChange	Whether to enable LLDP trapping.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable.

LLDP/TLVSelects

This table contains LLDP TLV transmitting status information.

XML structure

```

<LLDP>
  <TLVSelects>
    <TLV>
      <IfIndex></IfIndex>
      <AgentID></AgentID>
      <PortDesc></PortDesc>
      <SysName></SysName>
      <SysDesc></SysDesc>
      <SysCap></SysCap>
      <ManageAddress>
        <SubType></SubType>
        <Address></Address>

```

```

        <Enable></Enable>
    </ManageAddress>
    <PVID></PVID>
    <ProtocolVLAN>
        <VLANID></VLANID>
        <Enable></Enable>
    </ProtocolVLAN>
    <VLANName>
        <VLANID></VLANID>
        <Enable></Enable>
    </VLANName>
    <DCBX></DCBX>
    <LinkAgg></LinkAgg>
    <ManageVLAN>
        <VLANID></VLANID>
        <Enable></Enable>
    </ManageVLAN>
    <EVB></EVB>
    <QCN></QCN>
    <MACPHY></MACPHY>
    <Power></Power>
    <MaxFrame></MaxFrame>
    <MEDCapability></MEDCapability>
    <NetworkPolicy></NetworkPolicy>
    <ExtPower></ExtPower>
    <Inventory></Inventory>
</TLV>
</TLVSelects>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	TLVSelects
Table type	Multi-instance table
Row name	TLV
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index.	Index	Unsigned integer.
AgentID	LLDP agent ID.	Index	Enumeration: <ul style="list-style-type: none"> 1—Nearest bridge agent. 2—Nearest non-TPMR agent. 3—Nearest customer agent.
PortDesc	Whether to transmit port description TLVs.	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No.
SysName	Whether to transmit system name TLVs.	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No.
SysDesc	Whether to transmit system description TLVs.	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No.
SysCap	Whether to transmit system capability TLVs.	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No.
ManageAddress	Management address TLV information.	Data structure	Members include: <ul style="list-style-type: none"> SubType. AddressValue. Enable.
SubType	SubType of the management address.	N/A	Enumeration: <ul style="list-style-type: none"> 1—IPv4. 2—IPv6.
Address	Management address.	N/A	Base64 Binary. Length: 1 to 31 octets. The format of data depends on the management address subtype.
Enable	Whether to transmit management address TLVs.		Boolean: <ul style="list-style-type: none"> true—Yes. false—No.
PVID	Whether to transmit port VLAN ID TLVs.	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No.
ProtocolVLAN	Port and protocol VLAN ID TLV information.	Data structure	Members include: <ul style="list-style-type: none"> VLANID. Enable.
VLANID	VLAN ID.	N/A	Unsigned integer. Value range: 1 to 4094.

Column name	Column description	Column type	Data type and restrictions
Enable	Whether to transmit port and protocol VLAN ID TLVs.	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No.
VLANName	VLAN name TLV information.	Data structure	Members include: <ul style="list-style-type: none"> VLANID. Enable.
VLANID	VLAN ID.	N/A	Unsigned integer. Value range: 1 to 4094.
Enable	Whether to transmit VLAN name TLVs.	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No.
DCBX	Whether to transmit DCBX TLVs.	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No.
LinkAgg	Whether to transmit link aggregation TLVs.	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No.
ManageVLAN	Management VLAN TLV information.	Data structure	Members include: <ul style="list-style-type: none"> VLANID. Enable.
VLANID	VLAN ID.	N/A	Unsigned integer. Value range: 1 to 4094.
Enable	Whether to transmit management VLAN TLVs.	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No.
EVB	Whether to transmit EVB TLVs.	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No.
QCN	Whether to transmit QCN TLVs.	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No.
MACPHY	Whether to transmit MAC/PHY configuration/status TLVs.	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No.
Power	Whether to transmit power via MDI TLVs.	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No.
MaxFrame	Whether to transmit max frame size TLVs.	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No.
MEDCapability	Whether to transmit MED capability TLVs.	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No.

Column name	Column description	Column type	Data type and restrictions
NetworkPolicy	Whether to transmit network policy TLVs.	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No.
ExtPower	Whether to transmit extended power via MDI TLVs.	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No.
Inventory	Whether to transmit inventory TLVs.	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No.

LLDP/ELINumbers

This table contains information about LLDP emergency location identification numbers.

XML structure

```

<LLDP>
  <ELINumbers>
    <ELIN>
      <IfIndex></IfIndex>
      <ELINumber></ELINumber>
      <Enable></Enable>
    </ELIN>
  </ELINumbers>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	ELINumbers
Table type	Multi-instance table
Row name	ELIN
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	In certain versions, this column supports interface name-to-index conversion. See the product xsd before use. See Table 1 for the format.
ELINumber	Emergency location identification number.	N/A	Numeric String. Length: 10 to 25 characters.	
Enable	Whether to transmit location ID TLVs.	N/A	Boolean: <ul style="list-style-type: none">• true—Yes.• false—No.	

LLDP/CivicAddresses

This table contains information about LLDP civic addresses.

XML structure

```
<LLDP>
  <CivicAddresses>
    <CivicAddress>
      <IfIndex></IfIndex>
      <DeviceType></DeviceType>
      <CountryCode></CountryCode>
      <CA>          <!-- Repeatable -->
        <Type></Type>
        <Value></Value>
      </CA>
      <Enable></Enable>
    </CivicAddress>
  </CivicAddresses>
</LLDP>
```

Table description

Item	Description
Feature name	LLDP
Table name	CivicAddresses
Table type	Multi-instance table
Row name	CivicAddress

Restrictions	The sequence of column attributes must be consistent with the table's definition.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	In certain versions, this column supports interface name-to-index conversion. See the product xsd before use. See Table 1 for the format.
DeviceType	Device type.	N/A	Enumeration: <ul style="list-style-type: none"> • 0—DHCP Server. • 1—Network device. • 2—MED endpoint. 	
CountryCode	Country code.	N/A	String. Length: 2 characters. Letters in the string should be uppercased.	
CA	Civic address information.	Data structure	Members include: <ul style="list-style-type: none"> • Type. • Value. 	
Type	Civic address type.	N/A	Unsigned integer. Value range: 0 to 255.	
Value	Civic address.	N/A	String. Length: 1 to 250 characters.	
Enable	Whether to transmit location ID TLVs.	N/A	Boolean: <ul style="list-style-type: none"> • true—Yes. • false—No. 	

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LLDP

LLDP/LLDPNeighbors

This table contains LLDP neighbor information.

XML structure

```
<LLDP>
  <LLDPNeighbors>
    <LLDPNeighbor>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
      <NeighborIndex></NeighborIndex>
      <SystemName></SystemName>
      <ChassisId></ChassisId>
      <PortId></PortId>
    </LLDPNeighbor>
  </LLDPNeighbors>
</LLDP>
```

Table description

Item	Description
Feature name	LLDP
Table name	LLDPNeighbors
Table type	Multi-instance table
Row name	LLDPNeighbor
Restrictions	This table supports only Ethernet interfaces that support LLDP.

Columns

Column name	Column description	Column type	Data type and restrictions
TimeMark	Time mark	Index	Unsigned integer. Length: 32 bits.
IfIndex	Interface index	Index	Unsigned integer. Length: 32 bits.
NeighborIndex	Neighbor index	Index	Unsigned integer. Length: 32 bits.
SystemName	System name	N/A	String. Length: 0 to 255 characters.

ChassisId	Chassis name	N/A	String. Length: 0 to 255 characters.
PortId	Neighbor port name	N/A	String. Length: 0 to 255 characters.

LLDP/CDPNeighbors

This table contains CDP neighbor information.

XML structure

```

<LLDP>
  <CDPNeighbors>
    <CDPNeighbor>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
      <NeighborIndex></NeighborIndex>
      <ChassisId></ChassisId>
      <PortId></PortId>
      <ManageAddress></ManageAddress>
      <SoftwareVersion></SoftwareVersion>
      <PlatformVersion></PlatformVersion>
      <Duplex></Duplex>
      <TTL></TTL>
    </CDPNeighbor>
  </CDPNeighbors>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	CDPNeighbors
Table type	Multi-instance table
Row name	CDPNeighbor
Restrictions	This table supports only Ethernet interfaces that support CDP.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
TimeMark	Time mark	Index	Unsigned integer. Length: 32 bits.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer. Length: 32 bits.	N/A
NeighborIndex	Neighbor index	Index	Unsigned integer. Length: 32 bits.	N/A
ChassisId	Chassis name	N/A	String. Length: 0 to 255 characters.	N/A
PortId	Port name	N/A	String. Length: 0 to 255 characters.	N/A
ManageAddress	Management address	N/A	String. Length: 0 to 31 characters.	Only IPv4 addresses are supported.
SoftwareVersion	Software version	N/A	String. Length: 0 to 255 characters.	N/A
PlatformVersion	Platform version	N/A	String. Length: 0 to 255 characters.	N/A
Duplex	Duplex type	N/A	Unsigned integer. Length: 8 bits. Enumeration: <ul style="list-style-type: none"> 0—Half duplex. 1—Full duplex. Others—Unknown. 	N/A
TTL	Time to live	N/A	Unsigned integer. Length: 8 bits.	N/A

LLDP/GlobalStatus

This table contains LLDP global status information.

XML structure

```

<LLDP>
  <GlobalStatus>
    <Enable></Enable>
    <CDP></CDP>
    <TxInterval></TxInterval>
    <FastInterval></FastInterval>
    <ReInitDelay></ReInitDelay>
    <NotifyInterval></NotifyInterval>
    <Mode></Mode>
    <MaxCredit></MaxCredit>

```

```

    <HoldMult></HoldMult>
    <FastCount></FastCount>
    <ChassisID>
      <SubType></SubType>
      <ID></ID>
    </ChassisID>
    <SystemName></SystemName>
    <SystemDesc></SystemDesc>
    <DeviceClass></DeviceClass>
  </GlobalStatus>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	GlobalStatus
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Enable	Whether LLDP is enabled globally.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
CDP	Whether CDP is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
TxInterval	Transmission interval for LLDP frames.	N/A	Unsigned integer. Value range: 5 to 32768. Unit: second.
FastInterval	Fast transmission interval for LLDP frames.	N/A	Unsigned integer. Value range: 1 to 3600. Unit: second.
RelnitDelay	Re-initialization delay.	N/A	Unsigned integer. Value range: 1 to 10. Unit: second.
NofityInterval	Notification interval for traps.	N/A	Unsigned integer. Value range: 5 to 3600. Unit: second.

Column name	Column description	Column type	Data type and restrictions
Mode	Bridge mode.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Customer bridge mode. 1—Service bridge mode.
MaxCredit	Token bucket size for sending LLDP frames.	N/A	Unsigned integer. Value range: 1 to 100.
HoldMult	TTL multiplier.	N/A	Unsigned integer. Value range: 2 to 10.
FastCount	Number of fast transmitted LLDP frames.	N/A	Unsigned integer. Value range: 1 to 8.
ChassisID	Chassis identifier information.	Data structure	Members include: <ul style="list-style-type: none"> SubType. ID.
SubType	Chassis ID subtype.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Reserved. 1—Chassis component. 2—Interface alias. 3—Port component. 4—MAC address. 5—Network address. 6—Interface name. 7—Locally assigned.
ID	Chassis ID.	N/A	Base64 Binary. Length: 1 to 255 octets. The format of data depends on the chassis ID subtype.
SystemName	System name.	N/A	String. Length: 0 to 255 characters.
SystemDesc	System description.	N/A	String. Length: 0 to 255 characters.
DeviceClass	MED device class.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Class I. 2—Class II. 3—Class III. 4—Connectivity device.

LLDP/SysCaps

This table contains LLDP system capability information.

XML structure

```
<LLDP>
  <SysCaps>
```

```

<Support>
  <Other></Other>
  <Repeater></Repeater>
  <Bridge></Bridge>
  <WLANAccessPoint></WLANAccessPoint>
  <Router></Router>
  <Telephone></Telephone>
  <DocsisCableDevice></DocsisCableDevice>
  <StationOnly></StationOnly>
  <CustomerBridge></CustomerBridge>
  <ServiceBridge></ServiceBridge>
  <TPMR></TPMR>
</Support>
<Enable>
  <Other></Other>
  <Repeater></Repeater>
  <Bridge></Bridge>
  <WLANAccessPoint></WLANAccessPoint>
  <Router></Router>
  <Telephone></Telephone>
  <DocsisCableDevice></DocsisCableDevice>
  <StationOnly></StationOnly>
  <CustomerBridge></CustomerBridge>
  <ServiceBridge></ServiceBridge>
  <TPMR></TPMR>
</Enable>
</SysCaps>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	SysCaps
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Support	Supported capabilities.	Data structure	Members include: <ul style="list-style-type: none"> • Other. • Repeater. • Bridge. • WlanAccessPoint. • Router. • Telephone. • DocsisCableDevice. • StationOnly. • Customer Bridge. • Service Bridge. • TPMR.
Other	Whether capabilities out of the list are supported.	N/A	Boolean: <ul style="list-style-type: none"> • true—Supported. • false—Not supported.
Repeater	Whether repeater is supported.	N/A	Boolean: <ul style="list-style-type: none"> • true—Supported. • false—Not supported.
Bridge	Whether bridge is supported.	N/A	Boolean: <ul style="list-style-type: none"> • true—Supported. • false—Not supported.
WLANAccessPoint	Whether WLAN AP is supported.	N/A	Boolean: <ul style="list-style-type: none"> • true—Supported. • false—Not supported.
Router	Whether router is supported.	N/A	Boolean: <ul style="list-style-type: none"> • true—Supported. • false—Not supported.
Telephone	Whether telephone is supported.	N/A	Boolean: <ul style="list-style-type: none"> • true—Supported. • false—Not supported.
DocsisCableDevice	Whether docsis cable device is supported.	N/A	Boolean: <ul style="list-style-type: none"> • true—Supported. • false—Not supported.
StationOnly	Whether station only is supported.	N/A	Boolean: <ul style="list-style-type: none"> • true—Supported. • false—Not supported.
CustomerBridge	Whether customer bridge is supported.	N/A	Boolean: <ul style="list-style-type: none"> • true—Supported. • false—Not supported.
ServiceBridge	Whether service bridge is supported.	N/A	Boolean: <ul style="list-style-type: none"> • true—Supported. • false—Not supported.

Column name	Column description	Column type	Data type and restrictions
TPMR	Whether TPMR is supported.	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported.
Enable	Enabled capabilities.	Data structure	Members include: <ul style="list-style-type: none"> Other. Repeater. Bridge. WlanAccessPoint. Router. Telephone. DocsisCableDevice. StationOnly. Customer Bridge. Service Bridge. TPMR.

LLDP/Inventory

This table contains LLDP inventory information.

XML structure

```

<LLDP>
  <Inventory>
    <HardwareRev></HardwareRev>
    <FirmwareRev></FirmwareRev>
    <SoftwareRev></SoftwareRev>
    <SerialNum></SerialNum>
    <Manufacturer></Manufacturer>
    <ModelName></ModelName>
    <AssetID></AssetID>
  </Inventory>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	Inventory
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
HardwareRev	Hardware revision	N/A	String. Length: 0 to 255 characters.
FirmwareRev	Firmware revision	N/A	String. Length: 0 to 255 characters.
SoftwareRev	Software revision	N/A	String. Length: 0 to 255 characters.
SerialNum	Serial number	N/A	String. Length: 0 to 255 characters.
Manufacturer	Manufacturer name	N/A	String. Length: 0 to 255 characters.
ModelName	Model name	N/A	String. Length: 0 to 255 characters.
AssetID	Asset identifier	N/A	String. Length: 0 to 255 characters.

LLDP/GlobalStatistics

This table contains LLDP global statistics information.

XML structure

```
<LLDP>
  <GlobalStatistics>
    <LastUpdate></LastUpdate>
    <NbAdd></NbAdd>
    <NbDelete></NbDelete>
    <NbDrop></NbDrop>
    <NbAged></NbAged>
  </GlobalStatistics>
</LLDP>
```

Table description

Item	Description
Feature name	LLDP
Table name	GlobalStatistics
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
LastUpdate	Time when the most recent neighbor was updated	N/A	Unsigned integer. Length: 32 bits. Unit: second.
NbAdd	Total number of added neighbors	N/A	Unsigned integer. Length: 32 bits.
NbDelete	Total number of deleted neighbors	N/A	Unsigned integer. Length: 32 bits.
NbDrop	Total number of dropped neighbors	N/A	Unsigned integer. Length: 32 bits.
NbAged	Total number of aged-out neighbors	N/A	Unsigned integer. Length: 32 bits.

LLDP/Interfaces

This table contains LLDP interface information.

XML structure

```
<LLDP>
  <Interfaces>
    <Interface>
      <IfIndex></IfIndex>
      <Enable></Enable>
      <CDP></CDP>
      <MEDTopoChange></MEDTopoChange>
    </Interface>
  </Interfaces>
</LLDP>
```

Table description

Item	Description
Feature name	LLDP
Table name	Interfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index.	Index	Unsigned integer. Length: 32 bits.
Enable	Whether the interface is enabled.	N/A	Boolean: <ul style="list-style-type: none">• true—Enabled.• false—Disabled.
CDP	Whether CDP compatibility is enabled.	N/A	Boolean: <ul style="list-style-type: none">• true—Enabled. CDP packets can be transmitted and received.• false—Disabled.
MEDTopoChange	Whether LLDP-MED trapping is enabled.	N/A	Boolean: <ul style="list-style-type: none">• true—Enabled.• false—Disabled.

LLDP/IfAgents

This table contains LLDP interface agent information.

XML structure

```
<LLDP>
  <IfAgents>
    <IfAgent>
      <IfIndex></IfIndex>
      <AgentID></AgentID>
      <AdminStatus>
        <Tx></Tx>
        <Rx></Rx>
      </AdminStatus>
      <CheckChangeInterval></CheckChangeInterval>
      <Encap></Encap>
      <AddressFormat></AddressFormat>
      <RemoteChange></RemoteChange>
      <LLDPNbNum></LLDPNbNum>
      <CDPNbNum></CDPNbNum>
      <MEDNbNum></MEDNbNum>
      <OptionalTLVNum></OptionalTLVNum>
      <UnknownTLVNum></UnknownTLVNum>
    </IfAgent>
  </IfAgents>
</LLDP>
```

Table description

Item	Description
Feature name	LLDP
Table name	IfAgents
Table type	Multi-instance table
Row name	IfAgent
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index.	Index	Unsigned integer. Length: 32 bits.
AgentID	LLDP agent ID.	Index	Enumeration: <ul style="list-style-type: none">• 1—Nearest bridge agent.• 2—Nearest non-TPMR agent.• 3—Nearest customer agent.
AdminStatus	LLDP operating mode of the interface.	Data structure	Members include: <ul style="list-style-type: none">• Tx.• Rx.
Tx	Whether an LLDP interface agent can only send LLDP frames.	N/A	Boolean: <ul style="list-style-type: none">• true—Yes.• false—No.
Rx	Whether an LLDP interface agent can only receive LLDP frames.	N/A	Boolean: <ul style="list-style-type: none">• true—Yes.• false—No.
CheckChangeInterval	LLDP polling interval.	N/A	Unsigned integer. Value range: 0 to 30. Unit: second.
Encap	LLDP frame format.	N/A	Enumeration: <ul style="list-style-type: none">• 0—Ethernet II encapsulation.• 1—SNAP encapsulation.
AddressFormat	Management address format.	N/A	Enumeration: <ul style="list-style-type: none">• 0—Number.• 1—String.
RemoteChange	Whether LLDP trapping is enabled.	N/A	Boolean: <ul style="list-style-type: none">• true—Enabled.• false—Disabled.
LLDPNbNum	Total number of LLDP neighbors on the interface.	N/A	Unsigned integer. Length: 32 bits.

Column name	Column description	Column type	Data type and restrictions
CDPNbNum	Total number of CDP neighbors on the interface.	N/A	Unsigned integer. Length: 32 bits.
MEDNbNum	Total number of MED neighbors on the interface.	N/A	Unsigned integer. Length: 32 bits.
OptionalTLVNum	Total number of optional TLVs in the most recently transmitted LLDP frame.	N/A	Unsigned integer. Length: 32 bits.
UnknownTLVNum	Total number of unknown TLVs received in all LLDP frames.		Unsigned integer. Length: 32 bits.

LLDP/TLVSelects

This table contains LLDP TLV transmitting status information.

XML structure

```

<LLDP>
  <TLVSelects>
    <TLV>
      <IfIndex></IfIndex>
      <AgentID></AgentID>
      <PortDesc></PortDesc>
      <SysName></SysName>
      <SysDesc></SysDesc>
      <SysCap></SysCap>
      <ManageAddress>
        <SubType></SubType>
        <Address></Address>
        <Enable></Enable>
      </ManageAddress>
      <PVID></PVID>
      <ProtocolVLAN>
        <VLANID></VLANID>
        <Enable></Enable>
      </ProtocolVLAN>
      <VLANName>
        <VLANID></VLANID>
        <Enable></Enable>
      </VLANName>
      <DCBX></DCBX>
      <LinkAgg></LinkAgg>

```

```

<ManageVLAN>
  <VLANID></VLANID>
  <Enable></Enable>
</ManageVLAN>
<EVB></EVB>
<QCN></QCN>
<MACPHY></MACPHY>
<Power></Power>
<MaxFrame></MaxFrame>
<MEDCapability></MEDCapability>
<NetworkPolicy></NetworkPolicy>
<ExtPower></ExtPower>
<Inventory></Inventory>
</TLV>
</TLVSelects>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	TLVSelects
Table type	Multi-instance table
Row name	TLV
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index.	Index	Unsigned integer. Length: 32 bits.
AgentID	LLDP agent ID.	Index	Enumeration: <ul style="list-style-type: none"> 1—Nearest bridge agent. 2—Nearest non-TPMR agent. 3—Nearest customer agent.
PortDesc	Whether the transmission of port description TLVs is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
SysName	Whether the transmission of system name TLVs is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.

Column name	Column description	Column type	Data type and restrictions
SysDesc	Whether the transmission of system description TLVs is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
SysCap	Whether the transmission of system capability TLVs is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
ManageAddress	Management address TLV information.	Data structure	Members include: <ul style="list-style-type: none"> SubType. AddressValue. Enable.
SubType	Subtype of the management address.	N/A	Enumeration: <ul style="list-style-type: none"> 1—IPv4. 2—IPv6.
Address	Management address.	N/A	Base64 Binary. Length: 1 to 31 octets. The format of data depends on the management address subtype.
Enable	Whether the transmission of management address TLVs is enabled.		Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
PVID	Whether the transmission of port VLAN ID TLVs is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
Protocol/VLAN	Port and protocol VLAN ID TLV information.	Data structure	Members include: <ul style="list-style-type: none"> VLANID. Enable.
VLANID	VLAN ID.	N/A	Unsigned integer. Value range: 1 to 4094.
Enable	Whether the transmission of port and protocol VLAN ID TLVs is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
VLANName	VLAN name TLV information.	Data structure	Members include: <ul style="list-style-type: none"> VLANID. Enable.
VLANID	VLAN ID.	N/A	Unsigned integer. Value range: 1 to 4094.
Enable	Whether the transmission of VLAN name TLVs is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.

Column name	Column description	Column type	Data type and restrictions
DCBX	Whether the transmission of DCBX TLVs is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
LinkAgg	Whether the transmission of link aggregation TLVs is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
ManageVLAN	Management VLAN TLV information.	Data structure	Members include: <ul style="list-style-type: none"> VLANID. Enable.
VLANID	VLAN ID.	N/A	Unsigned integer. Value range: 1 to 4094.
Enable	Whether the transmission of management VLAN TLVs is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
EVB	Whether the transmission of EVB TLVs is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
QCN	Whether the transmission of QCN TLVs is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
MACPHY	Whether the transmission of MAC/PHY configuration/status TLVs is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
Power	Whether the transmission of power via MDI TLVs is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
MaxFrame	Whether the transmission of max frame size TLVs is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
MEDCapability	Whether the transmission of MED capability TLVs is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
NetworkPolicy	Whether the transmission of network policy TLVs is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
ExtPower	Whether the transmission of extended power via MDI TLVs is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.

Column name	Column description	Column type	Data type and restrictions
Inventory	Whether the transmission of inventory TLVs is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.

LLDP/ELINumbers

This table contains information about LLDP emergency location identification numbers.

XML structure

```

<LLDP>
  <ELINumbers>
    <ELIN>
      <IfIndex></IfIndex>
      <ELINumber></ELINumber>
      <Enable></Enable>
    </ELIN>
  </ELINumbers>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	ELINumbers
Table type	Multi-instance table
Row name	ELIN
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index.	Index	Unsigned integer. Length: 32 bits.
ELINumber	Emergency location identification number.	N/A	Numeric String. Length: 10 to 25 characters.
Enable	Whether the transmission of location ID TLVs is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.

LLDP/CivicAddresses

This table contains LLDP civic address information.

XML structure

```
<LLDP>
  <CivicAddresses>
    <CivicAddress>
      <IfIndex></IfIndex>
      <DeviceType></DeviceType>
      <CountryCode></CountryCode>
      <CA>          <!-- Repeatable -->
        <Type></Type>
        <Value></Value>
      </CA>
      <Enable></Enable>
    </CivicAddress>
  </CivicAddresses>
</LLDP>
```

Table description

Item	Description
Feature name	LLDP
Table name	CivicAddresses
Table type	Multi-instance table
Row name	CivicAddress
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index.	Index	Unsigned integer. Length: 32 bits.
DeviceType	Device type.	N/A	Enumeration: <ul style="list-style-type: none">• 0—DHCP Server.• 1—Network device.• 2—MED endpoint.
CountryCode	Country code.	N/A	String. Length: 2 characters. Letters in the string should be uppercased.

Column name	Column description	Column type	Data type and restrictions
CA	Civic address information.	Data structure	Members include: <ul style="list-style-type: none"> Type. Value.
Type	Civic address type.	N/A	Unsigned integer. Value range: 0 to 255.
Value	Civic address.	N/A	String. Length: 0 to 250 characters.
Enable	Whether the transmission of location ID TLVs is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.

LLDP/IfStatistics

This table contains LLDP interface statistics information.

XML structure

```

<LLDP>
  <IfStatistics>
    <Stats>
      <IfIndex></IfIndex>
      <AgentID></AgentID>
      <TxFrameNum></TxFrameNum>
      <RxFrameNum></RxFrameNum>
      <DiscardFrameNum></DiscardFrameNum>
      <ErrorFrameNum></ErrorFrameNum>
      <DiscardTLVNum></DiscardTLVNum>
      <UnknownTLVNum></UnknownTLVNum>
      <AgedNbNum></AgedNbNum>
      <TxCDPFrameNum></TxCDPFrameNum>
      <RxCDPFrameNum></RxCDPFrameNum>
      <DiscardCDPFrameNum></DiscardCDPFrameNum>
      <ErrorCDPFrameNum></ErrorCDPFrameNum>
    </Stats>
  </IfStatistics>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	IfStatistics
Table type	Multi-instance table

Row name	Stats
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index	Index	Unsigned integer. Length: 32 bits.
AgentID	LLDP agent ID	Index	Enumeration: <ul style="list-style-type: none"> 1—Nearest bridge agent. 2—Nearest non-TPMR agent. 3—Nearest customer agent.
TxFNum	The number of transmitted LLDP frames	N/A	Unsigned integer. Length: 32 bits.
RxFNum	The number of received LLDP frames	N/A	Unsigned integer. Length: 32 bits.
DiscardFNum	The number of discarded LLDP frames	N/A	Unsigned integer. Length: 32 bits.
ErrorFNum	The number of LLDP error frames	N/A	Unsigned integer. Length: 32 bits.
DiscardTLVNum	The number of discarded LLDP TLVs	N/A	Unsigned integer. Length: 32 bits.
UnknownTLVNum	The number of unknown LLDP TLVs	N/A	Unsigned integer. Length: 32 bits.
AgedNbNum	The number of aged-out LLDP neighbors	N/A	Unsigned integer. Length: 32 bits.
TxCDFNum	The number of transmitted CDP frames	N/A	Unsigned integer. Length: 32 bits.
RxCDFNum	The number of received CDP frames	N/A	Unsigned integer. Length: 32 bits.
DiscardCDFNum	The number of discarded CDP frames	N/A	Unsigned integer. Length: 32 bits.
ErrorCDFNum	The number of CDP error frames	N/A	Unsigned integer. Length: 32 bits.

LLDP/NbBasicInfos

This table contains basic information about LLDP neighbors.

XML structure

```
<LLDP>
  <NbBasicInfos>
    <BasicInfo>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
      <AgentID></AgentID>
      <NeighborIndex></NeighborIndex>
      <ChassisID>
        <SubType></SubType>
        <ID></ID>
      </ChassisID>
      <PortID>
        <SubType></SubType>
        <ID></ID>
      </PortID>
      <TTL></TTL>
      <PortDesc></PortDesc>
      <SystemName></SystemName>
      <SystemDesc></SystemDesc>
    </BasicInfo>
  </NbBasicInfos>
</LLDP>
```

Table description

Item	Description
Feature name	LLDP
Table name	NbBasicInfos
Table type	Multi-instance table
Row name	BasicInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
TimeMark	Time mark	Index	Unsigned integer. Length: 32 bits.

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index	Index	Unsigned integer. Length: 32 bits.
AgentID	LLDP agent ID	Index	Enumeration: <ul style="list-style-type: none"> 1—Nearest bridge agent. 2—Nearest non-TPMR agent. 3—Nearest customer agent.
NeighborIndex	Neighbor index	Index	Unsigned integer. Length: 32 bits.
ChassisID	Chassis identifier information	Data structure	Members include: <ul style="list-style-type: none"> SubType. ID.
SubType	Subtype of the chassis ID	N/A	Enumeration: <ul style="list-style-type: none"> 0—Reserved. 1—Chassis component. 2—Interface alias. 3—Port component. 4—MAC address. 5—Network address. 6—Interface name. 7—Locally assigned.
ID	Chassis ID	N/A	Base64 Binary. Length: 1 to 255 octets. The format of data depends on the chassis ID subtype.
PortID	Port identifier information	Data structure	Members include: <ul style="list-style-type: none"> SubType. ID.
SubType	Subtype of the port ID	N/A	Enumeration: <ul style="list-style-type: none"> 0—Reserved. 1—Interface alias. 2—Port component. 3—MAC address. 4—Network address. 5—Interface name. 6—Agent circuit ID. 7—Locally assigned.
ID	Port ID	N/A	Base64 Binary. Length: 1 to 255 octets. The format of data depends on the port ID subtype.
TTL	Time to Live	N/A	Unsigned integer. Length: 32 bits.
PortDesc	Port description	N/A	String. Length: 0 to 255 characters.

Column name	Column description	Column type	Data type and restrictions
SystemName	System name	N/A	String. Length: 0 to 255 characters.
SystemDesc	System description	N/A	String. Length: 0 to 255 characters.

LLDP/NbSysCaps

This table contains information about the system capabilities of LLDP neighbors.

XML structure

```

<LLDP>
  <NbSysCaps>
    <SysCap>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
      <AgentID></AgentID>
      <NeighborIndex></NeighborIndex>
      <Support>
        <Other></Other>
        <Repeater></Repeater>
        <Bridge></Bridge>
        <WLANAccessPoint></WLANAccessPoint>
        <Router></Router>
        <Telephone></Telephone>
        <DocsisCableDevice></DocsisCableDevice>
        <StationOnly></StationOnly>
        <CustomerBridge></CustomerBridge>
        <ServiceBridge></ServiceBridge>
        <TPMR></TPMR>
      </Support>
      <Enable>
        <Other></Other>
        <Repeater></Repeater>
        <Bridge></Bridge>
        <WLANAccessPoint></WLANAccessPoint>
        <Router></Router>
        <Telephone></Telephone>
        <DocsisCableDevice></DocsisCableDevice>
        <StationOnly></StationOnly>
        <CustomerBridge></CustomerBridge>
        <ServiceBridge></ServiceBridge>
        <TPMR></TPMR>
      </Enable>
    </SysCap>
  </NbSysCaps>
</LLDP>

```

```
</NbSysCaps>
</LLDP>
```

Table description

Item	Description
Feature name	LLDP
Table name	NbSysCaps
Table type	Multi-instance table
Row name	SysCap
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
TimeMark	Time mark.	Index	Unsigned integer. Length: 32 bits.
IfIndex	Interface index.	Index	Unsigned integer. Length: 32 bits.
AgentID	LLDP agent ID.	Index	Enumeration: <ul style="list-style-type: none"> 1—Nearest bridge agent. 2—Nearest non-TPMR agent. 3—Nearest customer agent.
NeighborIndex	Neighbor index.	Index	Unsigned integer. Length: 32 bits.
Support	Supported capabilities.	Data structure	Members include: <ul style="list-style-type: none"> Other. Repeater. Bridge. WlanAccessPoint. Router. Telephone. DocsisCableDevice. StationOnly. Customer Bridge. Service Bridge. TPMR.
Other	Whether capabilities out of the list are supported.	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported.
Repeater	Whether repeater is supported.	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported.

Column name	Column description	Column type	Data type and restrictions
Bridge	Whether bridge is supported.	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported.
WLANAccessPoint	Whether WLAN AP is supported.	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported.
Router	Whether router is supported.	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported.
Telephone	Whether telephone is supported.	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported.
DocsisCableDevice	Whether docsis cable device is supported.	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported.
StationOnly	Whether station only is supported.	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported.
CustomerBridge	Whether customer bridge is supported.	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported.
ServiceBridge	Whether service bridge is supported.	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported.
TPMR	Whether TPMR is supported.	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported.
Enable	Enabled capabilities.	Data structure	Members include: <ul style="list-style-type: none"> Other. Repeater. Bridge. WlanAccessPoint. Router. Telephone. DocsisCableDevice. StationOnly. Customer Bridge. Service Bridge. TPMR.

LLDP/NbManageAddresses

This table contains information about the management addresses of LLDP neighbors.

XML structure

```
<LLDP>
  <NbManageAddresses>
    <ManageAddress>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
      <AgentID></AgentID>
      <NeighborIndex></NeighborIndex>
      <SubType></SubType>
      <Address></Address>
      <InterfaceType></InterfaceType>
      <InterfaceID></InterfaceID>
    </ManageAddress>
  </NbManageAddresses>
</LLDP>
```

Table description

Item	Description
Feature name	LLDP
Table name	NbManageAddresses
Table type	Multi-instance table
Row name	ManageAddress
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions
TimeMark	Time mark	Index	Unsigned integer. Length: 32 bits.
IfIndex	Interface index	Index	Unsigned integer. Length: 32 bits.
AgentID	LLDP agent ID	Index	Enumeration: <ul style="list-style-type: none">• 1—Nearest bridge agent.• 2—Nearest non-TPMR agent.• 3—Nearest customer agent.
NeighborIndex	Neighbor index	Index	Unsigned integer. Length: 32 bits.

Column name	Column description	Column type	Data type and restrictions
SubType	Subtype of the management address	Index	Enumeration: <ul style="list-style-type: none"> • 0—Other. • 1—IPv4. • 2—IPv6. • 3—NSAP. • 4—HDLC. • 5—BBN1822. • 6—All802. • 7—E163. • 8—E164. • 9—F69. • 10—X121. • 11—IPX. • 12—AppleTalk. • 13—DECNetIV. • 14—BanyanVines. • 15—E164WithNSAP. • 16—DNS. • 17—DistinguishedName. • 18—ASNumber. • 19—XTPoverIPv4. • 20—XTPoverIPv6. • 21—XTPNativeModeXTP. • 22—FibreChannelWWPN. • 23—FibreChannelWWNN. • 24—GWID.
Address	Management address	Index	Base64 Binary. Length: 1 to 31 octets. The format of data depends on the management address subtype.
InterfaceType	Interface type	N/A	Enumeration: <ul style="list-style-type: none"> • 1—Unknown. • 2—IfIndex. • 3—PortIndex.
InterfaceID	Interface ID	N/A	Unsigned integer. Length: 32 bits.

LLDP/NbDot1Infos

This table contains the IEEE 802.1 organizationally specific information about LLDP neighbors.

XML structure

```

<LLDP>
  <NbDot1Infos>
    <Dot1Info>

```

```

<TimeMark></TimeMark>
<IfIndex></IfIndex>
<AgentID></AgentID>
<NeighborIndex></NeighborIndex>
<PVID></PVID>
<ManageVLAN></ManageVLAN>
<ProtocolID></ProtocolID> <!-- Repeatable -->
<LinkAgg>
  <Support></Support>
  <Enable></Enable>
  <PortIndex></PortIndex>
</LinkAgg>
<VIDUsage></VIDUsage>
</Dot1Info>
</NbDot1Infos>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	NbDot1Infos
Table type	Multi-instance table
Row name	Dot1Info
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
TimeMark	Time mark.	Index	Unsigned integer. Length: 32 bits.	N/A
IfIndex	Interface index.	Index	Unsigned integer. Length: 32 bits.	N/A
AgentID	LLDP agent ID.	Index	Enumeration: <ul style="list-style-type: none"> 1—Nearest bridge agent. 2—Nearest non-TPMR agent. 3—Nearest customer agent. 	N/A
NeighborIndex	Neighbor index.	Index	Unsigned integer. Length: 32 bits.	N/A
PVID	Neighbor interface PVID.	N/A	Unsigned integer. Value range: 1 to 4094.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
ManageVLAN	Management VLAN ID.	N/A	Unsigned integer. Value range: 1 to 4094.	N/A
ProtocolID	Protocol ID.	N/A	Base64 Binary. Length: 1 to 255 octets. The format of data depends on the protocol.	Repeatable
LinkAgg	Link aggregation information.	Data structure	Members include: <ul style="list-style-type: none"> • Support. • Enable. • PortIndex. 	N/A
Support	Whether link aggregation is supported.	N/A	Boolean: <ul style="list-style-type: none"> • true—Supported. • false—Not supported. 	N/A
Enable	Whether link aggregation is enabled.	N/A	Boolean: <ul style="list-style-type: none"> • true—Enabled. • false—Disabled. 	N/A
PortIndex	Member port ID.	N/A	Unsigned integer. Length: 32 bits.	N/A
VIDUsage	VID usage digest.	N/A	Base64 Binary. Length: 4 octets.	N/A

LLDP/NbProtocolVLANs

This table contains information about the protocol VLANs of LLDP neighbors.

XML structure

```

<LLDP>
  <NbProtocolVLANs>
    <NbProtocolVLAN>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
      <AgentID></AgentID>
      <NeighborIndex></NeighborIndex>
      <VLANID></VLANID>
      <Support></Support>
      <Enable></Enable>
    </NbProtocolVLAN>
  </NbProtocolVLANs>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	NbProtocolVLANs
Table type	Multi-instance table
Row name	NbProtocolVLAN
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
TimeMark	Time mark.	Index	Unsigned integer. Length: 32 bits.
IfIndex	Interface index.	Index	Unsigned integer. Length: 32 bits.
AgentID	LLDP agent ID.	Index	Enumeration: <ul style="list-style-type: none">• 1—Nearest bridge agent.• 2—Nearest non-TPMR agent.• 3—Nearest customer agent.
NeighborIndex	Neighbor index.	Index	Unsigned integer. Length: 32 bits.
VLANID	Protocol VLAN ID.	Index	Unsigned integer. Value range: 0 to 4094.
Support	Whether protocol VLAN is supported.	N/A	Boolean: <ul style="list-style-type: none">• true—Supported.• false—Not supported.
Enable	Whether protocol VLAN is enabled.	N/A	Boolean: <ul style="list-style-type: none">• true—Enabled.• false—Disabled.

LLDP/NbVLANNames

This table contains information about the VLAN names of LLDP neighbors.

XML structure

```
<LLDP>
  <NbVLANNames>
    <NbVLANName>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
```

```

    <AgentID></AgentID>
    <NeighborIndex></NeighborIndex>
    <VLANID></VLANID>
    <VLANName></VLANName>
  </NbVLANName>
</NbVLANNames>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	NbVLANNames
Table type	Multi-instance table
Row name	NbVLANName
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
TimeMark	Time mark	Index	Unsigned integer. Length: 32 bits.
IfIndex	Interface index	Index	Unsigned integer. Length: 32 bits.
AgentID	LLDP agent ID	Index	Enumeration: <ul style="list-style-type: none"> 1—Nearest bridge agent. 2—Nearest non-TPMR agent. 3—Nearest customer agent.
NeighborIndex	Neighbor index	Index	Unsigned integer. Length: 32 bits.
VLANID	VLAN ID	Index	Unsigned integer. Value range: 1 to 4094.
VLANName	VLAN name	N/A	String. Length: 0 to 32 characters.

LLDP/NbDot3Infos

This table contains the IEEE 802.3 organizationally specific information about LLDP neighbors.

XML structure

```
<LLDP>
```

```

<NbDot3Infos>
  <Dot3Info>
    <TimeMark></TimeMark>
    <IfIndex></IfIndex>
    <NeighborIndex></NeighborIndex>
    <MACPHY>
      <AutoNegSupport></AutoNegSupport>
      <AutoNegEnable></AutoNegEnable>
      <MAU></MAU>
    </MACPHY>
    <MaxFrameSize></MaxFrameSize>
    <Power>
      <PortClass></PortClass>
      <Support></Support>
      <Enable></Enable>
      <Pairs></Pairs>
      <PairsCtrlAbility></PairsCtrlAbility>
      <Classification></Classification>
    </Power>
  </Dot3Info>
</NbDot3Infos>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	NbDot3Infos
Table type	Multi-instance table
Row name	Dot3Info
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
TimeMark	Time mark.	Index	Unsigned integer. Length: 32 bits.
IfIndex	Interface index.	Index	Unsigned integer. Length: 32 bits.
NeighborIndex	Neighbor index.	Index	Unsigned integer. Length: 32 bits.

Column name	Column description	Column type	Data type and restrictions
MACPHY	MAC/PHY configuration/status information.	Data structure	Members include: <ul style="list-style-type: none"> • AutoNegSupport. • AutoNegEnable. • MAU.
AutoNegSupport	Whether autonegotiation is supported.	N/A	Boolean: <ul style="list-style-type: none"> • true—Supported. • false—Not supported.
AutoNegEnable	Whether autonegotiation is enabled.	N/A	Boolean: <ul style="list-style-type: none"> • true—Enabled. • false—Disabled.
MAU	Operational media attachment unit type.	N/A	Unsigned integer. Length: 32 bits.
MaxFrameSize	Maximum frame size.	N/A	Unsigned integer. Length: 32 bits.
Power	Power over MDI information.	Data structure	Members include: <ul style="list-style-type: none"> • PortClass. • Support. • Enable. • Pairs. • PairsCtrlAbility. • Classification.
PortClass	Port class.	N/A	Enumeration: <ul style="list-style-type: none"> • 0—PD. • 1—PSE.
Support	Whether PSE MDI power is supported.	N/A	Boolean: <ul style="list-style-type: none"> • true—Supported. • false—Not supported.
Enable	Whether PSE MDI power is enabled.	N/A	Boolean: <ul style="list-style-type: none"> • true—Enabled. • false—Disabled.
Pairs	Power supply mode.	N/A	Enumeration: <ul style="list-style-type: none"> • 1—Over signal wires. • 2—Over spare wires.
PairsCtrlAbility	Whether the PSE-PD pair control is available.	N/A	Boolean: <ul style="list-style-type: none"> • true—Yes. • false—No.
Classification	Power class.	N/A	Enumeration: <ul style="list-style-type: none"> • 1—Class0. • 2—Class1. • 3—Class2. • 4—Class3. • 5—Class4.

LLDP/NbMEDInfos

This table contains the MED organizationally specific information about LLDP neighbors.

XML structure

```
<LLDP>
  <NbMEDInfos>
    <MEDInfo>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
      <NeighborIndex></NeighborIndex>
      <DeviceClass></DeviceClass>
      <Inventory>
        <HardwareRev></HardwareRev>
        <FirmwareRev></FirmwareRev>
        <SoftwareRev></SoftwareRev>
        <SerialNum></SerialNum>
        <Manufacturer></Manufacturer>
        <ModelName></ModelName>
        <AssetID></AssetID>
      </Inventory>
      <ExtPower>
        <Source></Source>
        <Priority></Priority>
        <Value></Value>
      </ExtPower>
    </MEDInfo>
  </NbMEDInfos>
</LLDP>
```

Table description

Item	Description
Feature name	LLDP
Table name	NbMEDInfos
Table type	Multi-instance table
Row name	MEDInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
TimeMark	Time mark	Index	Unsigned integer. Length: 32 bits.
IfIndex	Interface index	Index	Unsigned integer. Length: 32 bits.
NeighborIndex	Neighbor index	Index	Unsigned integer. Length: 32 bits.
DeviceClass	MED device class	N/A	Enumeration: <ul style="list-style-type: none"> • 1—Class I. • 2—Class II. • 3—Class III. • 4—Connectivity device.
Inventory	Device inventory information	Data structure	Members include: <ul style="list-style-type: none"> • HardwareRev. • FirmwareRev. • SoftwareRev. • SerialNum. • Manufacturer. • ModelName. • AssetID.
HardwareRev	Hardware revision	N/A	String. Length: 0 to 255 characters.
FirmwareRev	Firmware revision	N/A	String. Length: 0 to 255 characters.
SoftwareRev	Software revision	N/A	String. Length: 0 to 255 characters.
SerialNum	Serial number	N/A	String. Length: 0 to 255 characters.
Manufacturer	Manufacturer name	N/A	String. Length: 0 to 255 characters.
ModelName	Model name	N/A	String. Length: 0 to 255 characters.
AssetID	Asset ID	N/A	String. Length: 0 to 255 characters.
ExtPower	Extended power via MDI information	Data structure	Members include: <ul style="list-style-type: none"> • Source. • Priority. • Value.
Source	PSE power source	N/A	Enumeration: <ul style="list-style-type: none"> • 0—Unknown. • 1—Primary. • 2—Backup.

Column name	Column description	Column type	Data type and restrictions
Priority	Power priority	N/A	Enumeration: <ul style="list-style-type: none"> 1—Critical. 2—High. 3—Low.
Value	Power value	N/A	Unsigned integer. Length: 32 bits. Unit: milliwatt.

LLDP/NbELINumbers

This table contains information about the MED emergency location identification numbers of LLDP neighbors.

XML structure

```

<LLDP>
  <NbELINumbers>
    <ELIN>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
      <NeighborIndex></NeighborIndex>
      <ELINumber></ELINumber>
    </ELIN>
  </NbELINumbers>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	NbELINumbers
Table type	Multi-instance table
Row name	ELIN
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
TimeMark	Time mark	Index	Unsigned integer. Length: 32 bits.

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index	Index	Unsigned integer. Length: 32 bits.
NeighborIndex	Neighbor index	Index	Unsigned integer. Length: 32 bits.
ElinNumber	Emergency location identification number	N/A	String. Length: 10 to 25 characters.

LLDP/NbCivicAddresses

This table contains information about the MED civic addresses of LLDP neighbors.

XML structure

```

<LLDP>
  <NbCivicAddresses>
    <CivicAddress>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
      <NeighborIndex></NeighborIndex>
      <DeviceType></DeviceType>
      <CountryCode></CountryCode>
      <CA>  <!-- Repeatable -->
        <Type></Type>
        <Value></Value>
      </CA>
    </CivicAddress>
  </NbCivicAddresses>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	NbCivicAddresses
Table type	Multi-instance table
Row name	CivicAddress
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
TimeMark	Time mark	Index	Unsigned integer. Length: 32 bits.
IfIndex	Interface index	Index	Unsigned integer. Length: 32 bits.
NeighborIndex	Neighbor index	Index	Unsigned integer. Length: 32 bits.
DeviceType	Device type	N/A	Enumeration: <ul style="list-style-type: none"> • 0—DHCP Server. • 1—Network device. • 2—MED endpoint.
CountryCode	Country code	N/A	String. Length: 2 characters.
CA	Civic address information	Data structure	Members include: <ul style="list-style-type: none"> • Type. • Value.
Type	Civic address type	N/A	Unsigned integer. Value range: 0 to 255.
Value	Civic address	N/A	String. Length: 0 to 250 characters.

LLDP/NbNetworkPolicies

This table contains information about the MED network policies of LLDP neighbors.

XML structure

```

<LLDP>
  <NbNetworkPolicies>
    <NetworkPolicy>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
      <NeighborIndex></NeighborIndex>
      <Application> <!-- Repeatable -->
        <AppType></AppType>
        <UnknownFlag></UnknownFlag>
        <TagFlag></TagFlag>
        <VLANID></VLANID>
        <L2priority></L2priority>
        <DSCP></DSCP>
      </Application>
    </NetworkPolicy>
  
```

```

</NbNetworkPolicies>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	NbNetworkPolicies
Table type	Multi-instance table
Row name	NetworkPolicy
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
TimeMark	Time mark.	Index	Unsigned integer. Length: 32 bits.
IfIndex	Interface index.	Index	Unsigned integer. Length: 32 bits.
NeighborIndex	Neighbor index.	Index	Unsigned integer. Length: 32 bits.
Application	Application information.	Data structure	Members include: <ul style="list-style-type: none"> • AppType. • UnknownFlag. • TagFlag. • VLANID. • L2priority • Dscp.
AppType	Application type.	N/A	Enumeration: <ul style="list-style-type: none"> • 1—Voice. • 2—Voice Signaling. • 3—Guest Voice. • 4—Guest Voice Signaling. • 5—Softphone Voice. • 6—Video Conferencing. • 7—Streaming Video. • 8—Video Signaling.
UnknownFlag	Whether the application is unknown.	N/A	Boolean: <ul style="list-style-type: none"> • true—Yes. • false—No.
TagFlag	Whether the VLAN tag is used.	N/A	Boolean: <ul style="list-style-type: none"> • true—Yes. • false—No.

Column name	Column description	Column type	Data type and restrictions
VLANID	Network policy VLAN ID.	N/A	Unsigned integer. Value range: 0 to 4095.
L2priority	Layer 2 priority	N/A	Unsigned integer. Value range: 0 to 7.
DSCP	DSCP value.	N/A	Unsigned integer. Value range: 0 to 63.

LLDP/NbUnknownBasicTLVs

This table contains information about the unknown basic TLVs of LLDP neighbors.

XML structure

```

<LLDP>
  <NbUnknownBasicTLVs>
    <UnknownBasicTLV>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
      <AgentID></AgentID>
      <NeighborIndex></NeighborIndex>
      <TLV> <!-- Repeatable -->
        <Type></Type>
        <Value></Value>
      </TLV>
    </UnknownBasicTLV>
  </NbUnknownBasicTLVs>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	NbUnknownBasicTLVs
Table type	Multi-instance table
Row name	UnknownBasicTLV
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
TimeMark	Time mark	Index	Unsigned integer. Length: 32 bits.
IfIndex	Interface index	Index	Unsigned integer. Length: 32 bits.
AgentID	LLDP agent ID	Index	Enumeration: <ul style="list-style-type: none"> 1—Nearest bridge agent. 2—Nearest non-TPMR agent. 3—Nearest customer agent.
NeighborIndex	Neighbor index	Index	Unsigned integer. Length: 32 bits.
TLV	TLV information	Data structure	Member Include: <ul style="list-style-type: none"> Type Value
Type	TLV type	N/A	Unsigned integer. Length: 8 bits. Value range: 0 to 126.
Value	TLV value	N/A	Base64 Binary. Length: 0 to 511 octets.

LLDP/NbUnknownOrgTLVs

This table contains information about the unknown organizationally specific TLVs of LLDP neighbors.

XML structure

```

<LLDP>
  <NbUnknownOrgTLVs>
    <UnknownOrgTLV>
      <TimeMark></TimeMark>
      <IfIndex></IfIndex>
      <AgentID></AgentID>
      <NeighborIndex></NeighborIndex>
      <TLV>    <!-- Repeatable -->
        <OUI></OUI>
        <SubType></SubType>
        <Value></Value>
      </TLV>
    </UnknownOrgTLV>
  </NbUnknownOrgTLVs>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	NbUnknownOrgTLVs
Table type	Multi-instance table
Row name	UnknownOrgTLV
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
TimeMark	Time mark	Index	Unsigned integer. Length: 32 bits.
IfIndex	Interface index	Index	Unsigned integer. Length: 32 bits.
AgentID	LLDP agent ID	Index	Enumeration: <ul style="list-style-type: none">• 1—Nearest bridge agent.• 2—Nearest non-TPMR agent.• 3—Nearest customer agent.
NeighborIndex	Neighbor index	Index	Unsigned integer. Length: 32 bits.
TLV	TLV information	Data structure	Member Include: <ul style="list-style-type: none">• OUI• SubType• Value
OUI	Organizationally unique identifier	N/A	Base64 Binary.
SubType	TLV subtype	N/A	Unsigned integer. Length: 8 bits. Value range: 0 to 255.
Value	TLV value	N/A	Base64 Binary. Length: 0 to 511 octets.

LLDP/LocalBasicInfos

This table contains basic information about local interfaces.

XML structure

```
<LLDP>
  <LocalBasicInfos>
```

```

<BasicInfo>
  <IfIndex></IfIndex>
  <PortID>
    <SubType></SubType>
    <ID></ID>
  </PortID>
  <PortDesc></PortDesc>
</BasicInfo>
</LocalBasicInfos>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	LocalBasicInfos
Table type	Multi-instance table
Row name	BasicInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index	Index	Unsigned integer. Length: 32 bits.
PortID	Port identifier information	Data structure	Members include: <ul style="list-style-type: none"> SubType. ID.
SubType	Subtype of the port ID	N/A	Enumeration: <ul style="list-style-type: none"> 0—Reserved. 1—Interface alias. 2—Port component. 3—MAC address. 4—Network address. 5—Interface name. 6—Agent circuit ID. 7—Locally assigned.
ID	Port ID	N/A	Base64 Binary. Length: 1 to 255 octets. The format of data depends on the port ID subtype.
PortDesc	Port description	N/A	String. Length: 0 to 255 characters.

LLDP/LocalManageAddresses

This table contains information about the management addresses of local interfaces.

XML structure

```
<LLDP>
  <LocalManageAddresses>
    <ManageAddress>
      <IfIndex></IfIndex>
      <AgentID></AgentID>
      <SubType></SubType>
      <Address></Address>
      <InterfaceType></InterfaceType>
      <InterfaceID></InterfaceID>
    </ManageAddress>
  </LocalManageAddresses>
</LLDP>
```

Table description

Item	Description
Feature name	LLDP
Table name	LocalManageAddresses
Table type	Multi-instance table
Row name	ManageAddress
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index	Index	Unsigned integer. Length: 32 bits.
AgentID	LLDP agent ID	Index	Enumeration: <ul style="list-style-type: none">1—Nearest bridge agent.2—Nearest non-TPMR agent.3—Nearest customer agent.
SubType	Subtype of the management address	Index	Enumeration: <ul style="list-style-type: none">0—Other.1—IPv4.2—IPv6.6—All802.

Column name	Column description	Column type	Data type and restrictions
Address	Management address	Index	Base64 Binary. Length: 1 to 31 octets. The format of data depends on the management address subtype.
InterfaceType	Interface type	N/A	Enumeration: <ul style="list-style-type: none"> 1—Unknown. 2—IfIndex. 3—PortIndex.
InterfaceID	Interface ID	N/A	Unsigned integer. Length: 32 bits.

LLDP/LocalDot1Infos

This table contains the IEEE 802.1 organizationally specific information about local interfaces.

XML structure

```

<LLDP>
  <LocalDot1Infos>
    <Dot1Info>
      <IfIndex></IfIndex>
      <PVID></PVID>
      <PortProtocolVLAN>
        <VLANID></VLANID>
        <Support></Support>
        <Enable></Enable>
      </PortProtocolVLAN>
      <VLANName>
        <VLANID></VLANID>
        <Name></Name>
      </VLANName>
      <ManageVLAN></ManageVLAN>
      <ProtocolID></ProtocolID>
      <LinkAgg>
        <Support></Support>
        <Enable></Enable>
        <PortIndex></PortIndex>
      </LinkAgg>
      <VIDUsage></VIDUsage>
    </Dot1Info>
  </LocalDot1Infos>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	LocalDot1Infos
Table type	Multi-instance table
Row name	Dot1Info
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index.	Index	Unsigned integer. Length: 32 bits.
PVID	Neighbor interface PVID.	N/A	Unsigned integer. Value range: 1 to 4094.
PortProtocolVLAN	Protocol VLAN information.	Data structure	Members include: <ul style="list-style-type: none"> VLANID. Support. Enable.
VLANID	Protocol VLAN ID.	N/A	Unsigned integer. Value range: 0 to 4094.
Support	Whether protocol VLAN is supported.	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported.
Enable	Whether protocol VLAN is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
VLANName	VLAN name information.	Data structure	Members include: <ul style="list-style-type: none"> VLANID. Name.
VLANID	VLAN ID.	N/A	Unsigned integer. Value range: 1 to 4094.
Name	VLAN name.	N/A	String. Length: 0 to 32 characters.
ManageVLAN	Management VLAN ID.	N/A	Unsigned integer. Value range: 0 to 4094.
ProtocolID	Protocol ID.	N/A	Base64 Binary. Length: 1 to 255 octets. The format of data depends on the protocol.

Column name	Column description	Column type	Data type and restrictions
LinkAgg	Link aggregation information.	Data structure	Members include: <ul style="list-style-type: none"> Support. Enable. PortIndex.
Support	Whether link aggregation is supported.	N/A	Boolean: <ul style="list-style-type: none"> true—Supported. false—Not supported.
Enable	Whether link aggregation is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
PortIndex	Member port ID.	N/A	Unsigned integer. Length: 32 bits.
VIDUsage	VID usage digest.	N/A	Base64 Binary. Length: 4 octets.

LLDP/LocalDot3Infos

This table contains the IEEE 802.3 organizationally specific information about local interfaces.

XML structure

```

<LLDP>
  <LocalDot3Infos>
    <Dot3Info>
      <IfIndex></IfIndex>
      <MACPHY>
        <AutoNegSupport></AutoNegSupport>
        <AutoNegEnable></AutoNegEnable>
        <MAU></MAU>
      </MACPHY>
      <MaxFrameSize></MaxFrameSize>
      <Power>
        <PortClass></PortClass>
        <Support></Support>
        <Enable></Enable>
        <Pairs></Pairs>
        <PairsCtrlAbility></PairsCtrlAbility>
        <Classification></Classification>
      </Power>
    </Dot3Info>
  </LocalDot3Infos>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	LocalDot3Infos
Table type	Multi-instance table
Row name	Dot3Info
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index.	Index	Unsigned integer. Length: 32 bits.
MACPHY	MAC/PHY configuration/status information.	Data structure	Members include: <ul style="list-style-type: none"> • AutoNegSupport. • AutoNegEnable. • MAU.
AutoNegSupport	Whether autonegotiation is supported.	N/A	Boolean: <ul style="list-style-type: none"> • true—Supported. • false—Not supported.
AutoNegEnable	Whether autonegotiation is enabled.	N/A	Boolean: <ul style="list-style-type: none"> • true—Enabled. • false—Disabled.
MAU	Operational media attachment unit type.	N/A	Unsigned integer. Length: 32 bits.
MaxFrameSize	Maximum frame size.	N/A	Unsigned integer. Length: 32 bits.
Power	Power over MDI information.	Data structure	Members include: <ul style="list-style-type: none"> • PortClass. • Support. • Enable. • Pairs. • PairsCtrlAbility. • Classification.
PortClass	Port class.	N/A	Enumeration: <ul style="list-style-type: none"> • 0—PD. • 1—PSE.
Support	Whether PSE MDI power is supported.	N/A	Boolean: <ul style="list-style-type: none"> • true—Supported. • false—Not supported.

Column name	Column description	Column type	Data type and restrictions
Enable	Whether PSE MDI power is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
Pairs	Power supply mode.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Over signal wires. 2—Over spare wires.
PairsCtrlAbility	Whether the PSE-PD pair control is available.	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No.
Classification	Power class.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Class0. 2—Class1. 3—Class2. 4—Class3. 5—Class4.

LLDP/LocalMEDInfos

This table contains the MED organizationally specific information about local interfaces.

XML structure

```

<LLDP>
  <LocalMEDInfos>
    <MEDInfo>
      <IfIndex></IfIndex>
      <NetworkPolicy> <!-- Repeatable -->
        <AppType></AppType>
        <UnknownFlag></UnknownFlag>
        <TagFlag></TagFlag>
        <VLANID></VLANID>
        <L2priority></L2priority>
        <DSCP></DSCP>
      </NetworkPolicy>
      <ExtPower>
        <Source></Source>
        <Priority></Priority>
        <Value></Value>
      </ExtPower>
    </MEDInfo>
  </LocalMEDInfos>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	LocalMEDInfos
Table type	Multi-instance table
Row name	MEDInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index.	Index	Unsigned integer. Length: 32 bits.
NetworkPolicy	Network policy information.	N/A	Members include: <ul style="list-style-type: none">• AppType.• UnknownFlag.• TagFlag.• VLANID.• L2priority• Dscp.
AppType	Application type.	N/A	Enumeration: <ul style="list-style-type: none">• 1—Voice.• 2—Voice Signaling.• 3—Guest Voice.• 4—Guest Voice Signaling.• 5—Softphone Voice.• 6—Video Conferencing.• 7—Streaming Video.• 8—Video Signaling.
UnknownFlag	Whether the application is unknown.	N/A	Boolean: <ul style="list-style-type: none">• true—Yes.• false—No.
TagFlag	Whether the VLAN tag is used.	N/A	Boolean: <ul style="list-style-type: none">• true—Yes.• false—No.
VLANID	Network policy VLAN ID.	N/A	Unsigned integer. Value range: 1 to 4094.
L2priority	Layer 2 priority	N/A	Unsigned integer. Value range: 0 to 7.
Dscp	DSCP value.	N/A	Unsigned integer. Value range: 0 to 63.

Column name	Column description	Column type	Data type and restrictions
ExtPower	Extended power via MDI information.	Data structure	Members include: <ul style="list-style-type: none"> Source. Priority. Value.
Source	PSE power source.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Unknown. 1—Primary. 2—Backup.
Priority	Power priority.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Critical. 2—High. 3—Low.
Value	Power value.	N/A	Unsigned integer. Length: 32 bits. Unit: milliwatt.

LLDP/CustomizedFeature

This table contains LLDP customized feature information.

XML structure

```

<LLDP>
  <CustomizedFeature>
    <DCBX></DCBX>
    <QCN></QCN>
    <EVB></EVB>
  </CustomizedFeature>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	CustomizedFeature
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
DCBX	Whether DCBX feature is customized.	N/A	Boolean: <ul style="list-style-type: none">• true—Enabled.• false—Disabled.
QCN	Whether QCN feature is customized..	N/A	Boolean: <ul style="list-style-type: none">• true—Enabled.• false—Disabled.
EVB	Whether EVB feature is customized..	N/A	Boolean: <ul style="list-style-type: none">• true—Enabled.• false—Disabled.

Contents

- MODEM 1
 - MODEM/ModemEnable 1
 - XML structure 1
 - Table description 1
 - Columns 1

MODEM

MODEM/ModemEnable

This table contains information about modem call direction.

XML structure

```
<MODEM>
  <ModemEnable>
    <Enable>
      <IfIndex></IfIndex>
      <CallType></CallType>
    </Enable>
  </ModemEnable>
</MODEM>
```

Table description

Item	Description
Feature name	MODEM
Table name	ModemEnable
Table type	Multi-instance table
Row name	Enable
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	This table supports interface types: Asynchronous serial port; Synchronous serial port in asynchronous way; AM interface/TTY subscriber line view; AUX interface/AUX subscribe line view. Some versions support interface name. For relevant information, see the XSD document of your product. For

Column name	Column description	Column type	Data type and restrictions	Remarks
				information about IfIndex, see “Appendix” in <i>Ifmgr NETCONF XML API Configuration Reference</i> .
CallType	Modem call direction	N/A	Enumeration: <ul style="list-style-type: none"> • 0—none(default). • 1—call-in. • 2—call-out • 3—both. 	N/A

Contents

- MODEM 1
 - MODEM/ModemEnable 1
 - XML structure 1
 - Table description 1
 - Columns 1

MODEM

MODEM/ModemEnable

This table contains information about modem call direction.

XML structure

```
<MODEM>
  <ModemEnable>
    <Enable>
      <IfIndex></IfIndex>
      <CallType></CallType>
    </Enable>
  </ModemEnable>
</MODEM>
```

Table description

Item	Description
Feature name	MODEM
Table name	ModemEnable
Table type	Multi-instance table
Row name	Enable
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	This table supports interface types: Asynchronous serial port; Synchronous serial port in asynchronous way; AM interface/TTY subscriber line view; AUX interface/AUX subscribe line view. Some versions support interface name. For relevant information, see the XSD document of your product. For information about

Column name	Column description	Column type	Data type and restrictions	Remarks
				IfIndex, see "Appendix" in <i>Ifmgr NETCONF XML API Configuration Reference</i> .
CallType	Modem call direction	N/A	Enumeration: <ul style="list-style-type: none"> • 0—none. • 1—call-in. • 2—call-out • 3—both. 	N/A

Contents

- Resource Summary for MODEM1
- MODEM1
 - MODEM/ModemEnable1
 - Properties1
 - Example1

Resource Summary for MODEM

Resource(Table)	Base URL	HTTP Method			
		GET	POST	PUT	DELETE
ModemEnable	/api/v1/MODEM/ModemEnable	Y	Y	Y	Y

MODEM

MODEM/ModemEnable

This table contains modem call direction information.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	This table supports interface types: Asynchronous serial port; Synchronous serial port in asynchronous way; AM interface/TTY subscriber line view; AUX interface/AUX subscribe line view. Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in <i>Ifmgr NETCONF XML API Configuration Reference</i> .
CallType	Modem call direction	N/A	Enumeration: <ul style="list-style-type: none">0—none(default).1—call-in.2—call-out.3—both.	N/A

Example

Example 1: Get information about ModemEnable.

JSON Request

GET /api/v1/MODEM/ModemEnable

JSON Response

200 OK

```
{  
  "IfIndex": 17414,  
  "CallType": 1  
}
```

Example 2: Add new Instance for ModemEnable table.

JSON Request

POST /api/v1/MODEM/ModemEnable

```
{  
  "IfIndex": 17414,  
  "CallType": 3  
}
```

JSON Response

201 Created

Example 3: Change the value of CallType for the assigned instance.

JSON Request

PUT /api/v1/MODEM/ModemEnable ?index= IfIndex =17414

```
{  
  "IfIndex": 17414,  
  "CallType": 3  
}
```

JSON Response

204 No Content

Example 4: Delete the assigned instance from resource ModemEnable.

JSON Request

DELETE /api/v1/MODEM/ModemEnable ?index= IfIndex =17413

JSON Response

204 No Content

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Columns	2
ModuleProxy/Schedule	2
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Table description	3
Columns	3
ModuleProxy/DeleteJob	3
XML structure	3
Table description	4
Columns	4
ModuleProxy/DeleteSchedule	4
XML structure	4
Table description	4
Columns	5

ModuleProxy

ModuleProxy/Global

This table contains information of global.

XML structure

```
<ModuleProxy>
  <Global>
    <WorkMode></WorkMode>
  </Global>
</ModuleProxy>
```

Table description

Item	Description
Feature name	ModuleProxy
Table name	Global
Table type	Single-instance table
Row name	N/A
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
WorkMode	Work mode of device.	N/A	Enumeration: <ul style="list-style-type: none">0—default1—brige2—route	N/A

ModuleProxy/Job

This table contains job information.

XML structure

```
<ModuleProxy>
```



```

<Job>
  <Name></Name>
  <Command>
    <Id></Id>
    <CommandString><CommandString>
  </Command>
</Job>
</ModuleProxy>

```

Table description

Item	Description
Feature name	ModuleProxy
Table name	Job
Table type	Single-instance table
Row name	N/A
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Job name.	N/A	String, case-insensitive. Length: 1 to 47 characters.	N/A
Command	String of execute based on time.	Data structure	Contains Id and CommandString	N/A
Id	Command Id.	N/A	Unsigned integer. Value range: 0 to 4294967295.	N/A
CommandString	Command String.	N/A	String, case-insensitive. Length: 1 to 512 characters.	N/A

ModuleProxy/Schedule

This table contains Schedule information.

XML structure

```

<ModuleProxy>
  <Schedule>

```

```

    <Name></Name>
    <JobName></JobName>
    <TimeString><TimeString>
  </Schedule>
</ModuleProxy>

```

Table description

Item	Description
Feature name	ModuleProxy
Table name	Schedule
Table type	Single-instance table
Row name	AP
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Schedule name.	N/A	String, case-insensitive. Length: 1 to 47 characters.	N/A
JobName	Job name.	N/A	String, case-insensitive. Length: 1 to 47 characters.	N/A
TimeString	Time String.	N/A	String, case-insensitive. Length: 1 to 512 characters.	N/A

ModuleProxy/DeleteJob

This table delete job information.

XML structure

```

<ModuleProxy>
  <DeleteJob>
    <Name></Name>
  </DeleteJob>
</ModuleProxy>

```

Table description

Item	Description
Feature name	ModuleProxy
Table name	DeleteJob
Table type	Single-instance table
Row name	N/A
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Job name.	N/A	String, case-insensitive. Length: 1 to 47 characters.	N/A

ModuleProxy/DeleteSchedule

This table delete Schedule information.

XML structure

```
<ModuleProxy>
  <DeleteSchedule>
    <Name></Name>
  </DeleteSchedule>
</ModuleProxy>
```

Table description

Item	Description
Feature name	ModuleProxy
Table name	DeleteSchedule
Table type	Single-instance table
Row name	AP
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Schedule name.	N/A	String, case-insensitive. Length: 1 to 47 characters.	N/A

Contents

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ModuleProxy/Global	1
XML structure	1
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Columns	1
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XML structure	2
Table description	2
Columns	3

ModuleProxy

ModuleProxy/Global

This table contains the informations of global.

XML structure

```
<ModuleProxy>
  <Global>
    <WorkMode></WorkMode>
    <Sample></Sample>
    <EnergySaving></EnergySaving>
  </Global>
</ModuleProxy>
```

Table description

Item	Description
Feature name	ModuleProxy
Table name	Global
Table type	Single-instance table
Row name	N/A
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
WorkMode	Work mode of device.	N/A	Enumeration: <ul style="list-style-type: none">0—default1—brige2—route	N/A
Sample	Sampling at regular time.	N/A	Boolean: <ul style="list-style-type: none">true—Support.false—Not support.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
EnergySaving	Green energy saving.	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A

ModuleProxy/ContainerPort

This table contains container information.

XML structure

```

<ModuleProxy>
  <ContainerPort>
    <Container>
      <Name></Name>
      <PoeIndex></PoeIndex>
      <PoePortInfo></PoePortInfo>
    </Container>
  </ContainerPort>
</ModuleProxy>

```

Table description

Item	Description
Feature name	ModuleProxy
Table name	ContainerPort
Table type	Multi-instance table
Row name	Container
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Container name.	Index	String, lowercase. Length: 1 to 64 characters.	If this column contains uppercase character, it will be converted to lowercase automatically.
PoeIndex	Port of the container.	N/A	Port of the container.	N/A
PoePortInfo	PoE information.	N/A	String. Length: 1 to 255 characters.	N/A

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XML structure	3
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XML structure	5
Table description	5
Columns	5
ModuleProxy/ContainerPort	5
XML structure	6
Table description	6
Columns	7

ModuleProxy

ModuleProxy/Global

This table contains the informations of global.

XML structure

```
<ModuleProxy>
  <Global>
    <WorkMode></WorkMode>
    <Sample></Sample>
    <EnergySaving></EnergySaving>
  </Global>
</ModuleProxy>
```

Table description

Item	Description
Feature name	ModuleProxy
Table name	Global
Table type	Single-instance table
Row name	N/A
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
WorkMode	Work mode of device.	N/A	Enumeration: <ul style="list-style-type: none">0—default1—brige2—route	N/A
Sample	Sampling at regular time.	N/A	Boolean: <ul style="list-style-type: none">true—Support.false—Not support.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
EnergySaving	Green energy saving.	N/A	Boolean: <ul style="list-style-type: none"> true—Support. false—Not support. 	N/A

ModuleProxy/HistoryStatistics/Interfaces

This table contains interfaces information of history statistics.

XML structure

```

<ModuleProxy>
  <HistoryStatistics>
    <Interfaces>
      <Interface>
        <IfIndex></IfIndex>
        <Name></Name>
        <InPkts></InPkts>
        <OutPkts></OutPkts>
        <InOctets></InOctets>
        <OutOctets></OutOctets>
        <RecordTime></RecordTime>
      </Interface>
    </Interfaces>
  </HistoryStatistics>
</ModuleProxy>

```

Table description

Item	Description
Feature name	ModuleProxy
Table name	HistoryStatistics
Table type	Multi-instance table
Row name	N/A
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	The Index of interface.	Index	Unsigned Integer. Value range: 0 to 65535.	N/A
Name	The name of interface.	N/A	String, lowercase. Length: 2 to 47 characters.	If this column contains uppercase character, it will be converted to lowercase automatically.
InPkts	Enter the number of packets in the direction.	N/A	Unsigned Integer. Value range: 0 to $2^{64} - 1$.	N/A
OutPkts	The number of packets in the direction.	N/A	Unsigned Integer. Value range: 0 to $2^{64} - 1$.	N/A
InOctets	Enter the bytes of packets in the direction.	N/A	Unsigned Integer. Value range: 0 to $2^{64} - 1$.	N/A
OutOctets	The bytes of packets in the direction.	N/A	Unsigned Integer. Value range: 0 to $2^{64} - 1$.	N/A
RecordTime	The date of the record flow.	N/A	Format: YYYY-MM-DD. Value range: 1970-01-01 to 2100-12-31.	N/A

ModuleProxy/HistoryStatistics/AP

This table contains AP information of history statistics.

XML structure

```
<ModuleProxy>
  <HistoryStatistics>
    <APs>
      <AP>
        <Name></Name>
        <InPkts></InPkts>
        <OutPkts></OutPkts>
        <InOctets></InOctets>
        <OutOctets></OutOctets>
        <RecordTime></RecordTime>
```

```

        </AP>
    </APs>
</HistoryStatistics>
</ModuleProxy>

```

Table description

Item	Description
Feature name	ModuleProxy
Table name	HistoryStatistics
Table type	Multi-instance table
Row name	N/A
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	If this column contains uppercase character, it will be converted to lowercase automatically.
InPkts	Enter the number of packets in the direction.	N/A	Unsigned Integer. Value range: 0 to $2^{64} - 1$.	N/A
OutPkts	The number of packets in the direction.	N/A	Unsigned Integer. Value range: 0 to $2^{64} - 1$.	N/A
InOctets	The number of packets in the direction.	N/A	Unsigned Integer. Value range: 0 to $2^{64} - 1$.	N/A
OutOctets	The bytes of packets in the direction.	N/A	Unsigned Integer. Value range: 0 to $2^{64} - 1$.	N/A
RecordTime	The date of the record flow.	N/A	Format: YYYY-MM-DD. Value range: 1970-01-01 to 2100-12-31.	N/A

ModuleProxy/APStatistics

This table contains statistics information of AP.

XML structure

```
<ModuleProxy>
  <APStatistics>
    <AP>
      <Name></Name>
      <InPkts></InPkts>
      <OutPkts></OutPkts>
      <InOctets></InOctets>
      <OutOctets></OutOctets>
    </AP>
  </APStatistics>
</ModuleProxy>
```

Table description

Item	Description
Feature name	ModuleProxy
Table name	APStatistics
Table type	Multi-instance table
Row name	AP
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	If this column contains uppercase character, it will be converted to lowercase automatically.
InPkts	Enter the number of packets in the direction.	N/A	Unsigned Integer. Value range: 0 to $2^{64} - 1$.	N/A
OutPkts	The number of packets in the direction.	N/A	Unsigned Integer. Value range: 0 to $2^{64} - 1$.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
InOctets	The number of packets in the direction.	N/A	Unsigned Integer. Value range: 0 to $2^{64} - 1$.	N/A
OutOctets	The bytes of packets in the direction.	N/A	Unsigned Integer. Value range: 0 to $2^{64} - 1$.	N/A

ModuleProxy/ContainerPort

This table contains container information.

XML structure

```

<ModuleProxy>
  <ContainerPort>
    <Container>
      <Name></Name>
      <PoeIndex></PoeIndex>
      <PoePortInfo></PoePortInfo>
    </Container>
  </ContainerPort>
</ModuleProxy>

```

Table description

Item	Description
Feature name	ModuleProxy
Table name	ContainerPort
Table type	Multi-instance table
Row name	Container
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Container name.	Index	String, lowercase. Length: 1 to 64 characters.	If this column contains uppercase characters, it will be converted to lowercase automatically.
PoeIndex	Port of the container.	N/A	Unsigned short.	N/A
PoePortInfo	PoE information.	N/A	String. Length: 1 to 255 characters.	N/A

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Resource Summary for ModuleProxy

Resource(Table)	Base URL	HTTP Method			
		GET	POST	PUT	DELETE
Global	/api/v1/ModuleProxy/Global	Y	N	N	N
HistoryStatistics	/api/v1/ModuleProxy/HistoryStatistics/Interfaces	Y	N	N	N
HistoryStatistics	/api/v1/ModuleProxy/HistoryStatistics/AP	Y	N	N	N
APStatistics	/api/v1/ModuleProxy/APStatistics	Y	N	N	N
ContainerPort	/api/v1/ModuleProxy/ContainerPort	Y	N	N	N

ModuleProxy

ModuleProxy/Global

This table contains the informations of global.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
WorkMode	Work mode of device.	N/A	Enumeration: <ul style="list-style-type: none">0—default1—brige2—route	N/A
Sample	Sampling at regular time.	N/A	Boolean: <ul style="list-style-type: none">true—Support.false—Not support.	N/A
EnergySaving	Green energy saving.	N/A	Boolean: <ul style="list-style-type: none">true—Support.false—Not support.	N/A

Examples

Example 1: Get the informations of global.

JSON Request

GET /api/v1/ModuleProxy/Global

JSON Response

200 OK

```
{  
  "WorkMode" : 0  
  "Sample" :  
  "EnergySaving" :  
}
```

ModuleProxy/HistoryStatistics/Interfaces

This table contains interfaces information of history statistics.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	The Index of interface.	Index	Unsigned Integer. Value range: 0 to 65535.	N/A
Name	The name of interface.	N/A	String, lowercase. Length: 2 to 47 characters.	If this column contains uppercase character, it will be converted to lowercase automatically.
InPkts	Enter the number of packets in the direction.	N/A	Unsigned Integer. Value range: 0 to $2^{64} - 1$.	N/A
OutPkts	The number of packets in the direction.	N/A	Unsigned Integer. Value range: 0 to $2^{64} - 1$.	N/A
InOctets	Enter the bytes of packets in the direction.	N/A	Unsigned Integer. Value range: 0 to $2^{64} - 1$.	N/A
OutOctets	The bytes of packets in the direction.	N/A	Unsigned Integer. Value range: 0 to $2^{64} - 1$.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
RecordTime	The date of the record flow.	N/A	Format: YYYY-MM-DD. Value range:1970-01-01 to 2100-12-31.	N/A

Examples

Example 1: Get interfaces information of history statistics.

JSON Request

GET /api/v1/ModuleProxy/HistoryStatistics

JSON Response

200 OK

```
{
  "IfIndex" : 2
  "Name" : "GigabitEthernet1/0/1"
  "InPkts" : 267
  "OutPkts" : 2
  "InOctets" : 42236
  "OutOctets" : 128
}
```

ModuleProxy/HistoryStatistics/AP

This table contains AP information of history statistics.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	If this column contains uppercase character, it will be converted to lowercase automatically.
InPkts	Enter the number of packets in the direction.	N/A	Unsigned Integer. Value range: 0 to $2^{64} - 1$.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
OutPkts	The number of packets in the direction.	N/A	Unsigned Integer. Value range: 0 to $2^{64} - 1$.	N/A
InOctets	The number of packets in the direction.	N/A	Unsigned Integer. Value range: 0 to $2^{64} - 1$.	N/A
OutOctets	The bytes of packets in the direction.	N/A	Unsigned Integer. Value range: 0 to $2^{64} - 1$.	N/A
RecordTime	The date of the record flow.	N/A	Format: YYYY-MM-DD. Value range: 1970-01-01 to 2100-12-31.	N/A

Examples

Example 1: Get interfaces information of history statistics.

JSON Request

GET /api/v1/ModuleProxy/HistoryStatistics

JSON Response

200 OK

```
{
  "Name" : "ap1"
  "InPkts" : 267
  "OutPkts" : 2
  "InOctets" : 42236
  "OutOctets" : 128
  "RecordTime" : 2016-11-20
}
```

ModuleProxy/APStatistics

This table contains statistics information of AP.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	AP name.	Index	String, lowercase. Length: 1 to 64 characters.	If this column contains uppercase character, it will be converted to lowercase automatically.
InPkts	Enter the number of packets in the direction.	N/A	Unsigned Integer. Value range: 0 to $2^{64} - 1$.	N/A
OutPkts	The number of packets in the direction.	N/A	Unsigned Integer. Value range: 0 to $2^{64} - 1$.	N/A
InOctets	The number of packets in the direction.	N/A	Unsigned Integer. Value range: 0 to $2^{64} - 1$.	N/A
OutOctets	The bytes of packets in the direction.	N/A	Unsigned Integer. Value range: 0 to $2^{64} - 1$.	N/A

Examples

Example 1: Get statistics information of AP..

JSON Request

GET /api/v1/ModuleProxy/APStatistics

JSON Response

200 OK

```
{
  "Name" : "spm1"
  "InPkts" : 0
  "OutPkts" : 0
  "InOctets" : 0
  "OutOctets" : 0
}
```

ModuleProxy/ContainerPort

This table contains container information.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Container name.	Index	String, lowercase. Length: 1 to 64 characters.	If this column contains uppercase characters, it will be converted to lowercase automatically.
PoeIndex	Port of the container.	N/A	Unsigned short.	N/A
PoePortInfo	PoE information.	N/A	String. Length: 1 to 255 characters.	N/A

Examples

Example 1: Get container information.

JSON Request

GET /api/v1/ModuleProxy/ContainerPort

JSON Response

200 OK

```
{  
  "Name" : "spm1"  
  "PoeIndex" : 1  
  "PoePortInfo" :  
}
```

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MPLS

MPLS/Base

This table contains global MPLS information.

XML structure

```
<MPLS>
  <Base>
    <LSRID></LSRID>
  </Base>
</MPLS>
```

Table description

Item	Description
Feature name	MPLS
Table name	Base
Table type	Single-instance table
Row name	None
Restrictions	This table supports only global configurations.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LSRID	The LSR ID.	N/A	String, dotted decimal notation.	N/A

MPLS/Interfaces

This table contains MPLS interface information.

XML structure

```
<MPLS>
  <Interfaces>
    <Interface>
      <IfIndex></IfIndex>
      <Enable></Enable>
    </Interface>
  </Interfaces>
```

</MPLS>

Table description

Item	Description
Feature name	MPLS
Table name	Interfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	Applicable to only L3 interfaces.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in Ifmgr NETCONF XML API Configuration Reference.
Enable	Enable MPLS	N/A	Boolean: <ul style="list-style-type: none">true—Enabled.false—Disabled(default).	N/A

MPLS/TunnelPolicies

This table contains Tunnel policy information.

XML structure

```
<MPLS>
  <TunnelPolicies>
    <TunnelPolicy>
      <PolicyName></PolicyName>
      <Sequence>
        <PrefLspType></PrefLspType>
        <LoadBalancingNum></LoadBalancingNum>
```

```

    </Sequence>
  </TunnelPolicy>
</TunnelPolicies>
</MPLS>

```

Table description

Item	Description
Feature name	MPLS
Table name	TunnelPolicies
Table type	Multi-instance table
Row name	TunnelPolicy
Restrictions	N/A
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of tunnel policy	Index	String. Length: 1 to 19 characters.	N/A
Sequence	Sequence policy	N/A	Members include: <ul style="list-style-type: none"> PrefLspType. LoadBalancingNum. 	The members of PrefLspType and LoadBalancingNum must be specified.
PrefLspType	Preferred LSP type	N/A	Enumeration: <ul style="list-style-type: none"> 0—LSP. 1—GRE. 2—CR-LSP. 	Up to 3 repeats are allowed for PrefLspType. Support for GRE depends on the device model.
LoadBalancingNum	Load balancing number	N/A	Unsigned integer. The value range varies by device model.	N/A

MPLS/PreferredTunnelPolicies

This table contains preferred tunnel information in a tunnel policy.

XML structure

```

<MPLS>
  <PreferredTunnelPolicies>
    <PreferredTunnelPolicy>
      <PolicyName></PolicyName>
    
```

```

    <TunnelType></TunnelType>
    <TunnelID></TunnelID>
  </PreferredTunnelPolicy>
</PreferredTunnelPolicies>
</MPLS>

```

Table description

Item	Description
Feature name	MPLS
Table name	PreferredTunnelPolicies
Table type	Multi-instance table
Row name	PreferredTunnelPolicy
Restrictions	N/A
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of tunnel policy	Index	String. Length: 1 to 19 characters.	N/A
TunnelType	Preferred tunnel type.	Index	Enumeration: <ul style="list-style-type: none"> 0—TUNNEL. 1—TUNNEL-BUNDLE. 	N/A
TunnelID	Tunnel ID.	Index	Unsigned integer.	N/A

MPLS/TunnelMbfd

This table contains MBFD Tunnel interface information.

XML structure

```

<MPLS>
  <TunnelMbfd>
    <TunnelMbfd>
      <TunnelID></TunnelID>
      <Enable></Enable>
      <Echo></Echo>
      <Template></Template>
      <BackupTemplate></BackupTemplate>
    </TunnelMbfd>
  </TunnelMbfd>
</MPLS>

```

Table description

Item	Description
Feature name	MPLS
Table name	TunnelMbdfs
Table type	Multi-instance table
Row name	TunnelMbfd
Restrictions	Applicable to only MPLS TE tunnel interfaces.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
TunnelID	Tunnel ID.	Index	Unsigned integer.	N/A
Enable	Enable MBFD	N/A	Boolean: <ul style="list-style-type: none">true—Enabled.false—Disabled(default).	N/A
Echo	Echo style of MBFD	N/A	Boolean: <ul style="list-style-type: none">true—Enabled.false—Disabled(default).	N/A
Template	The MBFD parameter of main LSP	N/A	String. Length: 1 to 63 characters.	When has no BackupTemplate, the template also apply to backup LSP.
BackupTemplate	The MBFD parameter of backup LSP	N/A	String. Length: 1 to 63 characters.	N/A

MPLS/StaticEgressLSPs

This table contains static egress LSP information.

XML structure

```
<MPLS>
  <StaticEgressLSPs>
    <StaticEgressLSP>
      <LSPName></LSPName>
      <InLabel></InLabel>
    </StaticEgressLSP>
  </StaticEgressLSPs>
</MPLS>
```

Table description

Item	Description
Feature name	MPLS
Table name	StaticEgressLSPs
Table type	Multi-instance table
Row name	StaticEgressLSP
Restrictions	This table supports only global configurations.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LSPName	Name of static LSP.	Index	String. Length: 1 to 15 characters..	N/A
InLabel	LSP incoming label	N/A	Unsigned integer. The value range varies by device model.	No modification.

MPLS/StaticIngressLSPs

This table contains static ingress LSP information.

XML structure

```
<MPLS>
  <StaticIngressLSPs>
    <StaticIngressLSP>
      <LSPName></LSPName>
      <OutLabel></OutLabel>
      <DestAddress></DestAddress>
      <DestWildcardMask></DestWildcardMask>
      <NextHop></NextHop>
      <OutIfIndex></OutIfIndex>
    </StaticIngressLSP>
  </StaticIngressLSPs>
</MPLS>
```

Table description

Item	Description
Feature name	MPLS

Table name	StaticIngressLSPs
Table type	Multi-instance table
Row name	StaticIngressLSP
Restrictions	This table supports only global configurations.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LSPName	Name of static LSP.	Index	String. Length: 1 to 15 characters..	N/A
OutLabel	LSP outgoing label	N/A	Unsigned integer.	This column must be specified.
DestAddress	IPv4 LSP destination address	N/A	String, dotted decimal notation.	The member of DestWildcardMask must also be specified.
DestWildcardMask	Mask of the IPv4 LSP destination address	N/A	String, dotted decimal notation.	The member of DestAddress must also be specified.
NextHop	LSP next hop address	N/A	String, dotted decimal notation.	One and only one of this column and OutIfIndex must be specified.
OutIfIndex	LSP outgoing interface index	N/A	Unsigned integer.	One and only one of this column or NextHop must be specified. Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.

MPLS/StaticTransitLSPs

This table contains static transit LSP information.

XML structure

```
<MPLS>
  <StaticTransitLSPs>
    <StaticTransitLSP>
      <LSPName></LSPName>
      <InLabel></InLabel>
      <OutLabel></OutLabel>
      <NextHop></NextHop>
      <OutIfIndex></OutIfIndex>
    </StaticTransitLSP>
  </StaticTransitLSPs>
</MPLS>
```

Table description

Item	Description
Feature name	MPLS
Table name	StaticTransitLSPs
Table type	Multi-instance table
Row name	StaticTransitLSP
Restrictions	This table supports only global configurations.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LSPName	Name of static LSP.	Index	String. Length: 1 to 15 characters..	N/A
InLabel	LSP incoming label	N/A	Unsigned integer.	This column must be specified.
OutLabel	LSP outgoing label	N/A	Unsigned integer.	This column must be specified.
NextHop	LSP next hop address	N/A	String, dotted decimal notation.	One and only one of this column and OutIfIndex must be specified.
OutIfIndex	LSP outgoing interface index	N/A	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see

Column name	Column description	Column type	Data type and restrictions	Remarks
				"Appendix" in Ifmgr NETCONF XML API Configuration Reference.

MPLS/StaticSRLSPs

This table contains static segment routing LSP information.

XML structure

```

<MPLS>
  <StaticSRLSPs>
    <StaticSRLSP>
      <LSPName></LSPName>
      <OutLabel></OutLabel>
    </StaticSRLSP>
  </StaticSRLSPs>
</MPLS>

```

Table description

Item	Description
Feature name	MPLS
Table name	StaticSRLSPs
Table type	Multi-instance table
Row name	StaticSRLSP
Restrictions	This table supports only global configurations.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LSPName	Name of static segment routing LSP.	Index	String. Length: 1 to 15 characters.	N/A
OutLabel	LSP outgoing label	N/A	Unsigned integer.	This column must be specified, and allow repeat.

MPLS/StaticSRAdjacencies

This table contains static segment routing adjacency information.

XML structure

```
<MPLS>
  <StaticSRAdjacencies>
    <StaticSRAdjacency>
      <AdjName></AdjName>
      <InLabel></InLabel>
      <NextHop></NextHop>
      <OutIfIndex></OutIfIndex>
    </StaticSRAdjacency>
  </StaticSRAdjacencies>
</MPLS>
```

Table description

Item	Description
Feature name	MPLS
Table name	StaticSRAdjacencies
Table type	Multi-instance table
Row name	StaticSRAdjacency
Restrictions	This table supports only global configurations.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AdjName	Name of static segment routing adjacency.	Index	String. Length: 1 to 15 characters.	N/A
InLabel	Adjacency incoming label	N/A	Unsigned integer.	This column must be specified.
NextHop	Adjacency next hop address	N/A	String, dotted decimal notation.	One and only one of this column and OutIfIndex must be specified.
OutIfIndex	Adjacency outgoing interface index	N/A	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your

Column name	Column description	Column type	Data type and restrictions	Remarks
				product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.

MPLS/StaticSRPrefixs

This table contains static segment routing prefix information.

XML structure

```

<MPLS>
  <StaticSRPrefixs>
    <StaticSRPrefix>
      <PrefixName></PrefixName>
      <DestAddress></DestAddress>
      <DestMask></DestMask>
      <InLabel></InLabel>
      <NextHop></NextHop>
      <OutIfIndex></OutIfIndex>
      <OutLabel></OutLabel>
    </StaticSRPrefix>
  </StaticSRPrefixs>
</MPLS>

```

Table description

Item	Description
Feature name	MPLS
Table name	StaticSRPrefixs
Table type	Multi-instance table
Row name	StaticSRPrefix
Restrictions	This table supports only global configurations.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PrefixName	Name of static segment routing prefix.	Index	String. Length: 1 to 15 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
DestAddress	IPv4 prefix destination address	Index	String, dotted decimal notation.	N/A
DestMask	Prefix destination address mask	Index	Unsigned integer.	N/A
InLabel	Prefix incoming label	Index	Unsigned integer.	This column must be specified.
NextHop	Prefix next hop address	Index	String, dotted decimal notation.	One and only one of this column and OutIfIndex must be specified. One and only one of this column and NextHop must be specified.
OutIfIndex	Prefix outgoing interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
OutLabel	Prefix outgoing label	N/A	Unsigned integer.	This column must be specified, and allow repeat.

MPLS/MPLSVRF

This table contains MPLS VRF information.

XML structure

```

<MPLS>
  <MPLSVRFs>
    <MPLSVRF>
      <VRF></VRF>
      <Statistics></Statistics>
    </MPLSVRF>
  </MPLSVRFs>
</MPLS>

```

Table description

Item	Description
Feature name	MPLS
Table name	MPLSVRFs
Table type	Multi-instance table
Row name	MPLSVRF
Restrictions	N/A
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VRF name.	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A
Statistics	Whether statistics is enabled for the VRF	N/A	Boolean: <ul style="list-style-type: none">true—Enabled.false—Disabled(default).	Support for this column depends on the device model.

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MPLS

MPLS/Base

This table contains global MPLS information.

XML structure

```
<MPLS>
  <Base>
    <LSRID></LSRID>
    <StaticLabelMax></StaticLabelMax>
    <SupportGRE></SupportGRE>
    <SupportStaticSR></SupportStaticSR>
    <SRMaxLabelDepth></SRMaxLabelDepth>
  </Base>
</MPLS>
```

Table description

Item	Description
Feature name	MPLS
Table name	Base
Table type	Single-instance table
Row name	None
Restrictions	This table supports only global configurations.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LSRID	The LSR ID	N/A	String, dotted decimal notation.	N/A
StaticLabelMax	The max label value for static lsp	N/A	Unsigned integer	N/A
SupportGRE	Whether GRE feature is supported	N/A	Boolean: <ul style="list-style-type: none">true—Supported.false—Not supported.	N/A
SupportStaticSR	Whether static segment routing with MPLS feature is supported	N/A	Boolean: <ul style="list-style-type: none">true—Supported.false—Not supported.	N/A
SRMaxLabel	The max. label	N/A	<ul style="list-style-type: none">Unsigned integer	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Depth	stack depths for segment routing with MPLS			

MPLS/Interfaces

This table contains MPLS interface information.

XML structure

```

<MPLS>
  <Interfaces>
    <Interface>
      <IfIndex></IfIndex>
      <Enable></Enable>
    </Interface>
  </Interfaces>
</MPLS>

```

Table description

Item	Description
Feature name	MPLS
Table name	Interfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	Applicable to only L3 interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.

Column name	Column description	Column type	Data type and restrictions	Remarks
Enable	Enable MPLS	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled(default). 	N/A

MPLS/TunnelPolicies

This table contains Tunnel policy information.

XML structure

```

<MPLS>
  <TunnelPolicies>
    <TunnelPolicy>
      <PolicyName></PolicyName>
      <Sequence>
        <PrefLspType></PrefLspType>
        <LoadBalancingNum></LoadBalancingNum>
      </Sequence>
    </TunnelPolicy>
  </TunnelPolicies>
</MPLS>

```

Table description

Item	Description
Feature name	MPLS
Table name	TunnelPolicies
Table type	Multi-instance table
Row name	TunnelPolicy
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of tunnel policy	Index	String. Length: 1 to 19 characters..	N/A
Sequence	Sequence policy	N/A	Member include: <ul style="list-style-type: none"> PrefLspType. LoadBalancingNum. 	N/A
PrefLspType	Preferred LSP type	N/A	Enumeration: <ul style="list-style-type: none"> 0—LSP. 	Up to 3 repeats are allowed for PrefLspType.

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 1—GRE. 2—CR-LSP. 	Support for GRE depends on the device model.
LoadBalancingNum	Load balancing number	N/A	Unsigned integer. The value range varies by device model.	N/A

MPLS/PreferredTunnelPolicies

This table contains preferred tunnel information in a tunnel policy.

XML structure

```

<MPLS>
  <PreferredTunnelPolicies>
    <PreferredTunnelPolicy>
      <PolicyName></PolicyName>
      <TunnelType></TunnelType>
      <TunnelID></TunnelID>
      <PriorityLevel></PriorityLevel>
    </PreferredTunnelPolicy>
  </PreferredTunnelPolicies>
</MPLS>

```

Table description

Item	Description
Feature name	MPLS
Table name	PreferredTunnelPolicies
Table type	Multi-instance table
Row name	PreferredTunnelPolicy
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of tunnel policy	Index	String. Length: 1 to 19 characters.	N/A
TunnelType	Preferred tunnel type.	Index	Enumeration: <ul style="list-style-type: none"> 0—TUNNEL. 1—TUNNEL-BUNDLE. 	N/A
TunnelID	Tunnel ID.	Index	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
PriorityLevel	Priority level of preferred tunnel.	N/A	Unsigned integer.	A smaller number has a higher priority.

MPLS/LabelRanges

This table contains MPLS label ranges information.

XML structure

```

<MPLS>
  <LabelRanges>
    <ProtocolType></ProtocolType>
    <MinLabel></MinLabel>
    <MaxLabel></MaxLabel>
  </LabelRanges>
</MPLS>

```

Table description

Item	Description
Feature name	MPLS
Table name	LabelRanges
Table type	Single-instance table
Row name	None
Restrictions	This table supports only global configurations
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ProtocolType	Protocol Type.	N/A	Enumeration: <ul style="list-style-type: none"> 0—STATIC. 	N/A
MinLabel	The minimum label of the range.	N/A	Unsigned integer. <ul style="list-style-type: none"> The value range varies by device model. 	N/A
MaxLabel	The maximum label of the range.	N/A	Unsigned integer. <ul style="list-style-type: none"> The value range varies by device model. 	N/A

MPLS/LabelSegments

This table contains MPLS label segments information.

XML structure

```
<MPLS>
  <LabelSegments>
    <LabelSegment>
      <ProtocolType></ProtocolType>
      <MinLabel></MinLabel>
      <MaxLabel></MaxLabel>
    </LabelSegment>
  </LabelSegments>
</MPLS>
```

Table description

Item	Description
Feature name	MPLS
Table name	LabelSegments
Table type	Multi-instance table
Row name	LabelSegment
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ProtocolType	Protocol Type.	Index	Enumeration: <ul style="list-style-type: none">0—STATIC.1—EGRESS.2—DYNAMIC3—L3VPN4—VPWS5—VPLS6—SRGB	N/A
MinLabel	The minimum label of the range.	N/A	Unsigned integer. <ul style="list-style-type: none">The value range varies by device model.	N/A
MaxLabel	The maximum label of the range.	N/A	Unsigned integer. <ul style="list-style-type: none">The value range varies by device model.	N/A

MPLS/TunnelMbfds

This table contains MBFD Tunnel interface information.

XML structure

```
<MPLS>
  <TunnelMbfds>
    <TunnelMbfd>
      <TunnelID></TunnelID>
      <Enable></Enable>
      <Echo></Echo>
      <Template></Template>
      <BackupTemplate></BackupTemplate>
    </TunnelMbfd>
  </TunnelMbfds>
</MPLS>
```

Table description

Item	Description
Feature name	MPLS
Table name	TunnelMbfds
Table type	Multi-instance table
Row name	TunnelMbfd
Restrictions	Applicable to only MPLS TE tunnel interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
TunnelID	Tunnel ID.	Index	Unsigned integer.	N/A
Enable	Enable MBFD	N/A	Boolean: <ul style="list-style-type: none">true—Enabled.false—Disabled.	N/A
Echo	Echo style of MBFD	N/A	Boolean: <ul style="list-style-type: none">true—Enabled.false—Disabled.	N/A

MPLS/StaticEgressLSPs

This table contains static egress LSP information.

XML structure

```
<MPLS>
  <StaticEgressLSPs>
    <StaticEgressLSP>
      <LSPName></LSPName>
      <InLabel></InLabel>
    </StaticEgressLSP>
  </StaticEgressLSPs>
</MPLS>
```

Table description

Item	Description
Feature name	MPLS
Table name	StaticEgressLSPs
Table type	Multi-instance table
Row name	StaticEgressLSP
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LSPName	Name of static LSP.	Index	String. Length: 1 to 15 characters..	N/A
InLabel	LSP incoming label	N/A	Unsigned integer. The value range varies by device model.	N/A

MPLS/StaticIngressLSPs

This table contains static ingress LSP information.

XML structure

```
<MPLS>
  <StaticIngressLSPs>
    <StaticIngressLSP>
      <LSPName></LSPName>
      <OutLabel></OutLabel>
      <DestAddress></DestAddress>
      <DestWildcardMask></DestWildcardMask>
      <NextHop></NextHop>
```

```

    <OutIfIndex></OutIfIndex>
  </StaticIngressLSP>
</StaticIngressLSPs>
</MPLS>

```

Table description

Item	Description
Feature name	MPLS
Table name	StaticIngressLSPs
Table type	Multi-instance table
Row name	StaticIngressLSP
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LSPName	Name of static LSP.	Index	String. Length: 1 to 15 characters..	N/A
OutLabel	LSP outgoing label	N/A	Unsigned integer.	N/A
DestAddress	IPv4 LSP destination address	N/A	String, dotted decimal notation.	The member of DestWildcardMask must also be specified.
DestWildcardMask	Mask of the IPv4 LSP destination address	N/A	String, dotted decimal notation.	The member of DestAddress must also be specified.
NextHop	LSP next hop address	N/A	String, dotted decimal notation.	N/A
OutIfIndex	LSP outgoing interface index	N/A	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.

MPLS/StaticTransitLSPs

This table contains static transit LSP information.

XML structure

```
<MPLS>
  <StaticTransitLSPs>
    <StaticTransitLSP>
      <LSPName></LSPName>
      <InLabel></InLabel>
      <OutLabel></OutLabel>
      <NextHop></NextHop>
      <OutIfIndex></OutIfIndex>
    </StaticTransitLSP>
  </StaticTransitLSPs>
</MPLS>
```

Table description

Item	Description
Feature name	MPLS
Table name	StaticTransitLSPs
Table type	Multi-instance table
Row name	StaticTransitLSP
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LSPName	Name of static LSP.	Index	String. Length: 1 to 15 characters..	N/A
InLabel	LSP incoming label	N/A	Unsigned integer.	N/A
OutLabel	LSP outgoing label	N/A	Unsigned integer.	N/A
NextHop	LSP next hop address	N/A	String, dotted decimal notation.	N/A
OutIfIndex	LSP outgoing interface index	N/A	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration

Column name	Column description	Column type	Data type and restrictions	Remarks
				Reference.

MPLS/StaticSRLSPs

This table contains static segment routing LSP information.

XML structure

```
<MPLS>
  <StaticSRLSPs>
    <StaticSRLSP>
      <LSPName></LSPName>
      <OutLabel></OutLabel>
    </StaticSRLSP>
  </StaticSRLSPs>
</MPLS>
```

Table description

Item	Description
Feature name	MPLS
Table name	StaticSRLSPs
Table type	Multi-instance table
Row name	StaticSRLSP
Restrictions	This table supports only global configurations.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LSPName	Name of static segment routing LSP.	Index	String. Length: 1 to 15 characters.	N/A
OutLabel	LSP outgoing label	N/A	Unsigned integer.	This column must be specified, and allow repeat.

MPLS/StaticSRAdjacencies

This table contains static segment routing adjacency information.

XML structure

```
<MPLS>
  <StaticSRAdjacencies>
    <StaticSRAdjacency>
      <AdjName></AdjName>
      <InLabel></InLabel>
      <NextHop></NextHop>
      <OutIfIndex></OutIfIndex>
    </StaticSRAdjacency>
  </StaticSRAdjacencies>
</MPLS>
```

Table description

Item	Description
Feature name	MPLS
Table name	StaticSRAdjacencies
Table type	Multi-instance table
Row name	StaticSRAdjacency
Restrictions	This table supports only global configurations.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AdjName	Name of static segment routing adjacency.	Index	String. Length: 1 to 15 characters.	N/A
InLabel	Adjacency incoming label	N/A	Unsigned integer.	This column must be specified.
NextHop	Adjacency next hop address	N/A	String, dotted decimal notation.	One and only one of this column and OutIfIndex must be specified. One and only one of this column and NextHop must be specified.
OutIfIndex	Adjacency outgoing interface index	N/A	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in

Column name	Column description	Column type	Data type and restrictions	Remarks
				Ifmgr NETCONF XML API Configuration Reference.

MPLS/StaticSRPrefixs

This table contains static segment routing prefix information.

XML structure

```

<MPLS>
  <StaticSRPrefixs>
    <StaticSRPrefix>
      <PrefixName></PrefixName>
      <DestAddress></DestAddress>
      <DestMask></DestMask>
      <InLabel></InLabel>
      <NextHop></NextHop>
      <OutIfIndex></OutIfIndex>
      <OutLabel></OutLabel>
    </StaticSRPrefix>
  </StaticSRPrefixs>
</MPLS>

```

Table description

Item	Description
Feature name	MPLS
Table name	StaticSRPrefixs
Table type	Multi-instance table
Row name	StaticSRPrefix
Restrictions	This table supports only global configurations.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PrefixName	Name of static segment routing Prefix.	Index	String. Length: 1 to 15 characters.	N/A
DestAddress	IPv4 prefix destination	Index	String, dotted decimal notation.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	address			
DestMask	Prefix destination address mask	Index	Unsigned integer.	N/A
InLabel	Prefix incoming label	Index	Unsigned integer.	This column must be specified.
NextHop	Prefix next hop address	Index	String, dotted decimal notation.	One and only one of this column and OutIfIndex must be specified. One and only one of this column or NextHop must be specified.
OutIfIndex	Prefix outgoing interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
OutLabel	Prefix outgoing label	N/A	Unsigned integer.	This column must be specified, and allow repeat.

MPLS/IPv4LSP

This table contains IPv4 LSP information.

XML structure

```

<MPLS>
  <IPv4LSP>
    <LSP>
      <Protocol></Protocol>
      <VrfIndex></VrfIndex>
      <Ipv4Prefix>
        <Ipv4Address/>
        <Ipv4PrefixLenth/>
      </Ipv4Prefix>
      <LSRType></LSRType>
      <ID></ID>
      <InfoType></InfoType>
      <InLabel></InLabel>

```

```

<OutLabel></OutLabel>
<OutIfIndex></OutIfIndex>
<NextHop></NextHop>
<NHLFEID></NHLFEID>
<BackupOutLabel></BackupOutLabel>
<BackupOutIfIndex></BackupOutIfIndex>
<BackupNextHop></BackupNextHop>
<BackupNHLFEID></BackupNHLFEID>
<Octets></Octets>
<HCOctets></HCOctets>
<Packets></Packets>
<Errors></Errors>
<Discards></Discards>
</LSP>
</IPv4LSP>
</MPLS>

```

Table description

Item	Description
Feature name	MPLS
Table name	IPv4LSP
Table type	Multi-instance table
Row name	LSP
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Protocol	LSP protocol type	Index	Enumeration: <ul style="list-style-type: none"> • 0—Unknown. • 1—Static LSP. • 2—Static CRLSP. • 3—LDP. • 4—RSVP. • 5—MP-BGP. • 6—ISIS. • 7—OSPF. 	N/A
VrfIndex	Index of the VRF to which an IPv4 LSP belongs	Index	Unsigned integer.	Some versions support VRF name. For relevant information, see the XSD document of your product. For information about VRFIndex, see “Appendix” in L3vpn NETCONF XML API Data Reference.

Column name	Column description	Column type	Data type and restrictions	Remarks
Ipv4Prefix	IPv4 LSP prefix	Index, data structure	Members include: <ul style="list-style-type: none"> Ipv4Address. Ipv4PrefixLenth. 	N/A
Ipv4Address	IPv4 LSP prefix address	Index	String, dotted decimal notation.	N/A
Ipv4PrefixLenth	IPv4 LSP prefix length	Index	Unsigned integer. Value range: 1 to 32.	N/A
LSRType	LSR type	Index	Enumeration: <ul style="list-style-type: none"> 0—Ingress. 1—Transit. 2—Egress. 	N/A
ID	LSP ID	Index	Unsigned integer. Value range: 0 to 255.	An LSP can have one row for inbound information, and multiple rows for outbound information. Each row has an ID. <ul style="list-style-type: none"> Inbound ID: 0. Outbound ID: 1 to 255.
InfoType	LSP information type	N/A	Enumeration: <ul style="list-style-type: none"> 0—Inbound information. 1—Outbound information. 	N/A
InLabel	LSP incoming label	N/A	Unsigned integer.	LSP inbound information contains this column.
OutLabel	LSP outgoing label	N/A	Unsigned integer.	LSP outbound information contains this column.
OutIfIndex	LSP outgoing interface index	N/A	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in <i>Ifmgr NETCONF XML API Configuration Reference</i> . LSP outbound information contains outgoing interface and next hop, or it contains NHLFE ID.
NextHop	LSP next hop address	N/A	String, dotted decimal notation.	LSP outbound information contains outgoing interface and next hop, or it contains NHLFE ID.

Column name	Column description	Column type	Data type and restrictions	Remarks
NHLFEID	NHLFE ID	N/A	Unsigned integer.	LSP outbound information contains outgoing interface and next hop, or it contains NHLFE ID.
BackupOutLabel	Backup LSP outgoing label	N/A	Unsigned integer.	Backup LSP outbound information contains this column.
BackupOutIfIndex	Backup LSP outgoing interface index	N/A	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in <i>Ifmgr NETCONF XML API Configuration Reference</i> . Backup LSP outbound information contains outgoing interface and next hop, or it contains NHLFE ID.
BackupNextHop	Backup LSP next hop address	N/A	String, dotted decimal notation.	Backup LSP outbound information contains outgoing interface and next hop, or it contains NHLFE ID.
BackupNHLFEID	Backup NHLFE ID	N/A	Unsigned integer.	Backup LSP outbound information contains outgoing interface and next hop, or it contains NHLFE ID.
Octets	Number of octets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
HCOctets	Number of high order octets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
Packets	Number of packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
Errors	Number of error packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
Discards	Number of discarded packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

MPLS/TEv4LSP

This table contains IPv4 MPLS TE LSP information.

XML structure

```
<MPLS>
  <TEv4LSP>
    <LSP>
      <Protocol></Protocol>
      <VrfIndex></VrfIndex>
      <SrcAddress></SrcAddress>
      <DestAddress></DestAddress>
      <TunnelID></TunnelID>
      <LSPID></LSPID>
      <Direction></Direction>
      <LSRType></LSRType>
      <ID></ID>
      <InfoType></InfoType>
      <InLabel></InLabel>
      <OutLabel></OutLabel>
      <OutIfIndex></OutIfIndex>
      <NextHop></NextHop>
      <NHLFEID></NHLFEID>
      <BackupOutLabel></BackupOutLabel>
      <BackupOutIfIndex></BackupOutIfIndex>
      <BackupNextHop></BackupNextHop>
      <BackupNHLFEID></BackupNHLFEID>
      <Octets></Octets>
      <HCOctets></HCOctets>
      <Packets></Packets>
      <Errors></Errors>
      <Discards></Discards>
    </LSP>
  </TEv4LSP>
</MPLS>
```

Table description

Item	Description
Feature name	MPLS
Table name	TEv4LSP
Table type	Multi-instance table
Row name	LSP
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Protocol	LSP protocol type	Index	Enumeration: <ul style="list-style-type: none"> • 0—Unknown. • 1—Static LSP. • 2—Static CRLSP. • 3—LDP. • 4—RSVP. • 5—MP-BGP. 	N/A
VrfIndex	Index of the VRF to which a TEv4 LSP belongs	Index	Unsigned integer.	Some versions support VRF name. For relevant information, see the XSD document of your product. For information about VRFIndex, see "Appendix" in L3vpn NETCONF XML API Data Reference.
SrcAddress	TEv4 LSP source address	Index	String, dotted decimal notation.	N/A
DestAddress	TEv4 LSP destination address	Index	String, dotted decimal notation.	N/A
TunnelID	TEv4 LSP tunnel ID	Index	Unsigned integer. Value range: 0 to 65535.	N/A
LSPID	TEv4 LSP ID	Index	Unsigned integer. Value range: 0 to 65535.	N/A
Direction	TEv4 LSP direction	Index	Enumeration: <ul style="list-style-type: none"> • 0—Unidirectional tunnel. • 1—Forward LSP for a bidirectional tunnel. • 2—Backward LSP for a bidirectional tunnel. 	N/A
LSRType	LSR type	Index	Enumeration: <ul style="list-style-type: none"> • 0—Ingress. • 1—Transit. • 2—Egress. 	N/A
ID	LSP ID	Index	Unsigned integer. Value range: 0 to 255.	An LSP can have one row for inbound information, and multiple rows for outbound information. Each row has an ID. <ul style="list-style-type: none"> • Inbound ID: 0. • Outbound ID: 1 to

Column name	Column description	Column type	Data type and restrictions	Remarks
				255.
InfoType	LSP information type	N/A	Enumeration: <ul style="list-style-type: none"> • 0—Inbound information. • 1—Outbound information. 	N/A
InLabel	LSP incoming label	N/A	Unsigned integer.	LSP inbound information contains this column.
OutLabel	LSP outgoing label	N/A	Unsigned integer.	LSP outbound information contains this column.
OutIfIndex	LSP outgoing interface index	N/A	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in <i>Ifmgr NETCONF XML API Configuration Reference</i> . LSP outbound information contains outgoing interface and next hop, or it contains NHLFE ID.
NextHop	LSP next hop address	N/A	String, dotted decimal notation.	LSP outbound information contains outgoing interface and next hop, or it contains NHLFE ID.
NHLFEID	NHLFE ID	N/A	Unsigned integer.	LSP outbound information contains outgoing interface and next hop, or it contains NHLFE ID.
BackupOutLabel	Backup LSP outgoing label	N/A	Unsigned integer.	Backup LSP outbound information contains this column.
BackupOutIfIndex	Backup LSP outgoing interface index	N/A	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in <i>Ifmgr NETCONF XML API Configuration Reference</i> . Backup LSP outbound information contains outgoing interface and next hop, or it contains NHLFE ID.

Column name	Column description	Column type	Data type and restrictions	Remarks
BackupNextHop	Backup LSP next hop address	N/A	String, dotted decimal notation.	Backup LSP outbound information contains outgoing interface and next hop, or it contains NHLFE ID.
BackupNHLFEID	Backup NHLFE ID	N/A	Unsigned integer.	Backup LSP outbound information contains outgoing interface and next hop, or it contains NHLFE ID.
Octets	Number of octets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
HCOctets	Number of high order octets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
Packets	Number of packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
Errors	Number of error packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
Discards	Number of discarded packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

MPLS/StaticLSP

This table contains static LSP and static CRLSP information.

XML structure

```

<MPLS>
  <StaticLSP>
    <LSP>
      <Protocol></Protocol>
      <LspIndex></LspIndex>
      <LSRType></LSRType>
      <ID></ID>
      <InfoType></InfoType>
      <InLabel></InLabel>
      <OutLabel></OutLabel>
      <OutIfIndex></OutIfIndex>
      <NextHop></NextHop>
      <NHLFEID></NHLFEID>
      <BackupOutLabel></BackupOutLabel>
      <BackupOutIfIndex></BackupOutIfIndex>

```

```

    <BackupNextHop></BackupNextHop>
    <BackupNHLFEID></BackupNHLFEID>
    <Octets></Octets>
    <HCOctets></HCOctets>
    <Packets></Packets>
    <Errors></Errors>
    <Discards></Discards>
  </LSP>
</StaticLSP>
</MPLS>

```

Table description

Item	Description
Feature name	MPLS
Table name	StaticLSP
Table type	Multi-instance table
Row name	LSP
Restrictions	This table contains LSP information on the transit node and egress node. Static LSP information on the ingress node is stored in the IPv4LSP table. Static CRLSP information on the ingress node is stored in the TEv4LSP table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Protocol	LSP protocol type	Index	Enumeration: <ul style="list-style-type: none"> 0—Unknown. 1—Static LSP. 2—Static CRLSP. 3—LDP. 4—RSVP. 5—MP-BGP. 	N/A
LspIndex	Static LSP index	Index	Unsigned integer. Length: 32 bits.	Typically, this column represents static LSP incoming label.
LSRType	LSR type	Index	Enumeration: <ul style="list-style-type: none"> 0—Ingress. 1—Transit. 2—Egress. 	N/A
ID	LSP ID	Index	Unsigned integer. Value range: 0 to 255.	An LSP can have one row for inbound information, and multiple rows for outbound information. Each row has an ID.

Column name	Column description	Column type	Data type and restrictions	Remarks
				<ul style="list-style-type: none"> Inbound ID: 0. Outbound ID: 1 to 255.
InfoType	LSP information type	N/A	Enumeration: <ul style="list-style-type: none"> 0—Inbound information. 1—Outbound information. 	N/A
InLabel	LSP incoming label	N/A	Unsigned integer.	LSP inbound information contains this column.
OutLabel	LSP outgoing label	N/A	Unsigned integer.	LSP outbound information contains this column.
OutIfIndex	LSP outgoing interface index	N/A	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in <i>Ifmgr NETCONF XML API Configuration Reference</i> . LSP outbound information contains outgoing interface and next hop, or it contains NHLFE ID.
NextHop	LSP next hop address	N/A	String, dotted decimal notation.	LSP outbound information contains outgoing interface and next hop, or it contains NHLFE ID.
NHLFEID	NHLFE ID	N/A	Unsigned integer.	LSP outbound information contains outgoing interface and next hop, or it contains NHLFE ID.
BackupOutLabel	Backup LSP outgoing label	N/A	Unsigned integer.	Backup LSP outbound information contains this column.
BackupOutIfIndex	Backup LSP outgoing interface index	N/A	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in <i>Ifmgr NETCONF XML API Configuration Reference</i> . Backup LSP outbound information contains outgoing interface and

Column name	Column description	Column type	Data type and restrictions	Remarks
				next hop, or it contains NHLFE ID.
BackupNextHop	Backup LSP next hop address	N/A	String, dotted decimal notation.	Backup LSP outbound information contains outgoing interface and next hop, or it contains NHLFE ID.
BackupNHLFEID	Backup NHLFE ID	N/A	Unsigned integer.	Backup LSP outbound information contains outgoing interface and next hop, or it contains NHLFE ID.
Octets	Number of octets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
HCOctets	Number of high order octets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
Packets	Number of packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
Errors	Number of error packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
Discards	Number of discarded packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

MPLS/MPLSVRF

This table contains MPLS VRF information.

XML structure

```

<MPLS>
  <MPLSVRFs>
    <MPLSVRF>
      <VRF></VRF>
      <Statistics></Statistics>
    </MPLSVRF>
  </MPLSVRFs>
</MPLS>

```

Table description

Item	Description
Feature name	MPLS
Table name	MPLSVRFs
Table type	Multi-instance table
Row name	MPLSVRF
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VRF name.	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A
Statistics	Whether statistics is enabled for the VRF	N/A	Boolean: <ul style="list-style-type: none">true—Enabled.false—Disabled.	N/A

MPLS/TETunnelStatistics

This table contains TE tunnel statistics information.

XML structure

```
<MPLS>
  <TETunnelStatistics>
    <TETunnelStatistic>
      <TunnelID></TunnelID>
      <ServiceClass></ServiceClass>
      <Octets></Octets>
      <HCOctets></HCOctets>
      <Packets></Packets>
      <Errors></Errors>
      <Discards></Discards>
      <Systime></Systime>
    </TETunnelStatistic>
  </TETunnelStatistics>
</MPLS>
```


Table description

Item	Description
Feature name	MPLS
Table name	TETunnelStatistics
Table type	Multi-instance table
Row name	TETunnelStatistics
Restrictions	This table contains TE tunnel statistics information.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
TunnelID	Tunnel ID	Index	Unsigned integer.	The tunnel interface number
ServiceClass	The service class statistics of the MPLS TE tunnel interface.	Index	Unsigned integer. The value range varies by device model.	When service class no set, get all statistics of the TE tunnel.
Octets	Number of octets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
HCOctets	Number of high order octets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
Packets	Number of packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
Errors	Number of error packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
Discards	Number of discarded packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
Systime	Time that elapsed after the device started up, in milliseconds	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

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MQC

MQC/Classifiers

This table contains information about classifiers.

XML structure

```
<MQC>
  <Classifiers>
    <Classifier>
      <Name></Name>
      <Operator></Operator>
      <Description></Description>
    </Classifier>
  </Classifiers>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	Classifiers
Table type	Multi-instance table
Row name	Classifier
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Traffic classifier name	Index	String. Length: 1 to 31 characters.	N/A
Operator	Match operator of the traffic classifier	N/A	Enumeration: <ul style="list-style-type: none">1—And.2—Or.	When the Operator column is 1 , the traffic classifier matches the packets that match all its match criteria. When the Operator column is 2 , the traffic classifier matches the packets that match any of its match criteria. If this column is not

Column name	Column description	Column type	Data type and restrictions	Remarks
				configured, the default value is 1.
Description	Traffic classifier description.	N/A	String. Length: 1 to 127 characters.	N/A

MQC/Behaviors

This table contains information about behavior.

XML structure

```
<MQC>
  <Behaviors>
    <Behavior>
      <Name></Name>
    </Behavior>
  </Behaviors>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	Behaviors
Table type	Multi-instance table
Row name	Behavior
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A

MQC/Policies

This table contains information about policy.

XML structure

```
<MQC>
  <Policies>
    <Policy>
      <Name></Name>
    </Policy>
  </Policies>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	Policies
Table type	Multi-instance table
Row name	Policy
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Policy name	Index	String. Length: 1 to 31 characters.	N/A

MQC/CBMaps

This table contains information about classifier-behavior association.

XML structure

```
<MQC>
  <CBMaps>
    <CBMap>
      <PolicyName></PolicyName>
      <ClassifierName></ClassifierName>
      <BehaviorName></BehaviorName>
      <Mode></Mode>
      <InsertBeforeClassifierName></InsertBeforeClassifierName>
    </CBMap>
  </CBMaps>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	CBMaps
Table type	Multi-instance table
Row name	CBMap
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Policy name	Index	String. Length: 1 to 31 characters.	N/A
ClassifierName	Traffic classifier name	Index	String. Length: 1 to 31 characters.	N/A
BehaviorName	Traffic behavior name	N/A	String. Length: 1 to 31 characters.	Required.
Mode	Mode of the classifier-behavior association	N/A	Enumeration: <ul style="list-style-type: none"> • 0—None. • 2—Qppb. • 16—Dcbx. 	Required. When the Mode column is 0 , there is no restriction on the classifier-behavior association. When the Mode column is 2 , the classifier-behavior association applies only to QPPB. When the Mode column is 16 , the classifier-behavior association applies only to the Data Center Bridging Exchange Protocol (DCBX).
InsertBeforeClassifierName	Insert the new traffic class before an existing traffic class.	N/A	String. Length: 1 to 31 characters	N/A

MQC/Rules

This table contains information about rule.

XML structure

```
<MQC>
  <Rules>
    <Rule>
      <ClassName></ClassName>
      <RuleID></RuleID>
      <Not></Not>
      <PktType></PktType>
      <Acl>
        <IPv4Acl></IPv4Acl>
        <IPv6Acl></IPv6Acl>
        <Inner></Inner>
      </Acl>
      <IPv4Acl></IPv4Acl>
      <IPv6Acl></IPv6Acl>
      <SrcMac></SrcMac>
      <DestMac></DestMac>
      <ServiceVLANID></ServiceVLANID>
      <CustomerVLANID></CustomerVLANID>
      <ServiceDot1pList>
        <ServiceDot1p></ServiceDot1p>
      </ServiceDot1pList>
      <CustomerDot1pList>
        <CustomerDot1p></CustomerDot1p>
      </CustomerDot1pList>
      <ExpList>
        <Exp></Exp>
      </ExpList>
      <InnerExpList>
        <InnerExp></InnerExp>
      </InnerExpList>
      <IPPrecedenceList>
        <IPPrecedence></IPPrecedence>
      </IPPrecedenceList>
      <LocalPrecedenceList>
        <LocalPrecedence></LocalPrecedence>
      </LocalPrecedenceList>
      <DscpList>
        <Dscp></Dscp>
      </DscpList>
      <DropPriorityList>
        <DropPriority></DropPriority>
      </DropPriorityList>
      <QoSLocalID></QoSLocalID>
      <MplsLabelList>
        <MplsLabel></MplsLabel>
      </MplsLabelList>
```



```

<InnerMplsLabelList>
  <InnerMplsLabel></InnerMplsLabel>
</InnerMplsLabelList>
<PktLength>
  <Min></Min>
  <Max></Max>
</PktLength>
<MplsLabelRange>
  <LabelStart></LabelStart>
  <LabelEnd></LabelEnd>
</MplsLabelRange>
<InnerMplsLabelRange>
  <InnerLabelStart></InnerLabelStart>
  <InnerLabelEnd></InnerLabelEnd>
</InnerMplsLabelRange>
<RTPPort>
  <PortStart></PortStart>
  <PortEnd></PortEnd>
</RTPPort>
<Application></Application>
<ApplicationGroup></ApplicationGroup>
<Vxlan></Vxlan>
<VxlanAny></VxlanAny>
<TunnelID></TunnelID>
<VLANTag></VLANTag>
<TunnelDscpList>
  <TunnelDscp></TunnelDscp>
</TunnelDscpList>
</Rule>
</Rules>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	Rules
Table type	Multi-instance table
Row name	Rule
Restrictions	<p>Only one match column can be configured once, Rule cannot be modified by ID.</p> <p>The delete/remove operation can only carry the ClassName and RuleID columns.</p>
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ClassName	Traffic classifier name	Index	String. Length: 1 to 31 characters.	N/A
RuleID	ID of the rule	Index	Unsigned integer	When the operate type of message is create , RuleID only can be configured 4294967295 or NextRuleID of Classifiers table.
Not	Whether the matches packets conform to the specified criterion	N/A	Boolean: <ul style="list-style-type: none"> true—Conform. false—Not conform. 	Required.
PktType	Match the type of packet.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Any. 2—IP. 3—IPv6. 4—Arp. 5—Bt. 6—Bridge. 7—Route. 	<p>When the Type column is 1, the rule matches all packets.</p> <p>When the Type column is 2, the rule matches IP protocol.</p> <p>When the Type column is 3, the rule matches IPv6 protocol.</p> <p>When the Type column is 4, the rule matches ARP protocol.</p> <p>When the Type column is 5, the rule matches bittorrent protocol.</p> <p>When the Type column is 6, the rule matches Layer 2 forwarded packets.</p> <p>When the Type column is 7, the rule matches Layer 3 forwarded packets.</p>
Acl	Match ACL	Data structure	Members include: <ul style="list-style-type: none"> IPv4Acl. IPv6Acl. Inner. 	IPv4Acl and IPv6Acl cannot be specified together. For information about how to configure, see "Appendix."
IPv4Acl	Match IPv4 ACL.	N/A	<ul style="list-style-type: none"> ACL name: Case-insensitive string of 1 to 63 characters. ACL number: An unsigned integer in the range of 2000 to 5999. 	An ACL name must start with an English letter and cannot be all .

Column name	Column description	Column type	Data type and restrictions	Remarks
IPv6Acl	Match IPv6 ACL.	N/A	<ul style="list-style-type: none"> ACL name: Case-insensitive string of 1 to 63 characters. ACL number: An unsigned integer in the range of 2000 to 3999. 	An ACL name must start with an English letter and cannot be all .
Inner	Match inner ACL.	N/A	Boolean: <ul style="list-style-type: none"> true—Conform. false—Not conform. 	Matches the entries that describe the inner flags of a packet in an ACL.
IPv4Acl	Match IPv4 ACL.	N/A	<ul style="list-style-type: none"> ACL name: Case-insensitive string of 1 to 63 characters. ACL number: An unsigned integer in the range of 2000 to 5999. 	An ACL name must start with an English letter and cannot be all . This column and Acl cannot be specified together. For information about how to configure, see "Appendix."
IPv6Acl	Match IPv6 ACL.	N/A	<ul style="list-style-type: none"> ACL name: Case-insensitive string of 1 to 63 characters. ACL number: An unsigned integer in the range of 2000 to 3999. 	An ACL name must start with an English letter and cannot be all . This column and Acl cannot be specified together. For information about how to configure, see "Appendix."
SrcMac	Match a source MAC address.	N/A	Six groups of two hexadecimal digits, hyphen-separated.	Example: 00-0c-af-e3-5d-c0.
DestMac	Match a destination MAC address.	N/A	Six groups of two hexadecimal digits, hyphen-separated.	Example: 00-0c-af-e3-5d-c0.
ServiceVLANID	Match the service provider VLAN ID.	N/A	Number string. It is a comma-separated list of VLAN items. An item can be an individual VLAN ID or a VLAN ID range. Use a hyphen (-) to separate the start and end VLANs of a range. The string must not end with a comma or hyphen, or include any whitespace characters.	Example: 1,2,3,5-8,10-20. you can specify up to 10 VLAN IDs or VLAN ID ranges.
CustomerVLANID	Match the customer VLAN ID.	N/A	Number string. It is a comma-separated list of VLAN items. An item can be an individual VLAN ID or a VLAN ID range. Use a hyphen (-) to separate the start and end VLANs of a	Example: 1,2,3,5-8,10-20. you can specify up to 10 VLAN IDs or VLAN ID ranges.

Column name	Column description	Column type	Data type and restrictions	Remarks
			range. The string must not end with a comma or hyphen, or include any whitespace characters.	
ServiceDot1p	Match the 802.1p priority of the service provider network.	N/A	Unsigned integer. Value range: 0 to 7.	You can specify up to 8 ServiceDot1p for a rule
CustomerDot1p	Match the 802.1p priority of the customer network.	N/A	Unsigned integer. Value range: 0 to 7.	You can specify up to 8 CustomerDot1p for a rule
Exp	Match MPLS EXP value.	N/A	Unsigned integer. Value range: 0 to 7.	You can specify up to 8 Exp for a rule
InnerExp	Match inner MPLS EXP value.	N/A	Unsigned integer. Value range: 0 to 7.	You can specify up to 8 InnerExp for a rule
IPPrecedence	Match IP precedence.	N/A	Unsigned integer. Value range: 0 to 7.	You can specify up to 8 IPPrecedence for a rule
LocalPrecedence	Match local precedence.	N/A	Unsigned integer. Value range: 0 to 7.	You can specify up to 8 LocalPrecedence for a rule
Dscp	Match DSCP values.	N/A	Unsigned integer. Value range: 0 to 63.	You can specify up to 8 Dscp for a rule
DropPriority	Match drop precedence.	N/A	Unsigned integer. Value range: 0 to 2.	You can specify up to 3 DropPriority for a rule
QoSLocalID	Match local QoS ID.	N/A	Unsigned integer. Value range: 1 to 4095.	N/A
MplsLabel	Match MPLS label.	N/A	Unsigned integer. Value range: 0 to 1048575.	You can specify up to 8 MplsLabel for a rule
InnerMplsLabel	Match inner MPLS label.	N/A	Unsigned integer. Value range: 0 to 1048575.	You can specify up to 8 InnerMplsLabel for a rule
PktLength	Match packet length.	Data structure	Members include: • Min. • Max.	N/A
Min	The minimum packet length in bytes.	N/A	Unsigned integer. Value range: 1 to 65535.	Min cannot be bigger than Max .
Max	The maximum packet length in bytes.	N/A	Unsigned integer. Value range: 1 to 65535.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
MplsLabelRange	Match MPLS label range.	Data structure	Members include: <ul style="list-style-type: none"> LabelStart. LabelEnd. 	The two members must both be specified.
LabelStart	Start Label Value.	N/A	Unsigned integer. Value range: 0 to 1048575.	N/A
LabelEnd	End Label Value.	N/A	Unsigned integer. Value range: 0 to 1048575.	LabelEnd must be bigger than LabelStart .
InnerMplsLabelRange	Match inner MPLS label range.	Data structure	Members include: <ul style="list-style-type: none"> InnerLabelStart. InnerLabelEnd. 	The two members must both be specified.
InnerLabelStart	Start Label Value.	N/A	Unsigned integer. Value range: 0 to 1048575.	N/A
InnerLabelEnd	End Label Value.	N/A	Unsigned integer. Value range: 0 to 1048575.	InnerLabelEnd must be bigger than InnerLabelStart .
RTPPort	Match RTP protocol port range.	Data structure	Members include: <ul style="list-style-type: none"> PortStart. PortEnd. 	The two members must both be specified.
PortStart	Start RTP port number	N/A	Unsigned integer. Value range: 2000 to 65535.	PortStart cannot be bigger than PortEnd .
PortEnd	End RTP port number	N/A	Unsigned integer. Value range: 2000 to 65535.	N/A
Application	Match application layer protocol.	N/A	String, case-insensitive. Length: 1 to 63 characters.	APR/Applications/Application/AppName.
ApplicationGroup	Match application group.	N/A	String, case-insensitive. Length: 1 to 63 characters.	APR/AppGroups/GroupInfo/GroupName.
Vxlan	Match vxlan ID.	N/A	Unsigned integer. Value range: 0 to 16777215.	It must be empty when the VxlanAny column is true .
VxlanAny	Match any vxlan ID.	N/A	Boolean: <ul style="list-style-type: none"> true—Conform. false—Not conform. 	The Vxlan column must be specified when the VxlanAny column is false .
TunnelID	Match tunnel ID.	N/A	Unsigned integer. Value range: 0 to 1023.	N/A
VLANTag	Match VLAN tagging mode	N/A	Enumeration: <ul style="list-style-type: none"> 1—None. 2—Single-tagged. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 4—Double-tagged. 	
TunnelDscpList	Match Tunnel DSCP values.	Data structure	Members include: <ul style="list-style-type: none"> TunnelDscp. 	N/A
TunnelDscp	Match Tunnel DSCP values.	N/A	Unsigned integer. Value range: 0 to 63.	You can specify up to 8 Dscp for a rule

MQC/Remark

This table contains information about marking action.

XML structure

```

<MQC>
  <Remark>
    <Action>
      <BehaviorName></BehaviorName>
      <Type></Type>
      <Color></Color>
      <Value></Value>
    </Action>
  </Remark>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	Remark
Table type	Multi-instance table
Row name	Action
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Type	Type of remark	Index	Enumeration: <ul style="list-style-type: none"> 0—CDot1pTrust. 	When the Type column is 0, configure an

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 1—Dscp. 2—IPPre. 3—MplsExp. 4—Dot1p. 5—LocalID. 6—LocalPre. 7—DropPre. 8—CVlanID. 9—SVlanID. 10—ImpositionMplsExp. 11—ForwardingClass. 12—AtmClp. 16—ServiceClass. 17—TunnelDscp. 	<p>inner-to-outer tag priority copying action.</p> <p>When the Type column is 1, configure a DSCP marking action.</p> <p>When the Type column is 2, configure an IP precedence marking action.</p> <p>When the Type column is 3, configure an EXP value marking action.</p> <p>When the Type column is 4, configure an 802.1p priority marking action.</p> <p>When the Type column is 5, configure the action of setting the specified local QoS ID for packets.</p> <p>When the Type column is 6, configure a local precedence marking action.</p> <p>When the Type column is 7, configure a drop priority marking action.</p> <p>When the Type column is 8, configure a CVLAN marking action.</p> <p>When the Type column is 9, configure a SVLAN marking action.</p> <p>When the Type column is 10, configure an EXP value marking action for added labels.</p> <p>When the Type column is 11, configure a forwarding-class marking action.</p> <p>When the Type column is 12, configure the action of setting the CLP bit for ATM cells.</p> <p>When the Type column is 16, configure the action of setting the service-class of MPLS traffic engineering.</p> <p>When the Type column is 17, configure a tunnel-DSCP marking action.</p>
Color	The color of affected packets	Index	<p>Enumeration:</p> <ul style="list-style-type: none"> 0—No color. 	Specifies different color packets for the priority marking action. Support

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 1—Green. 2—Yellow. 3—Red. 	<p>for the green, red and yellow keyword depends on the device model.</p> <p>When the Color column is 0, specifies all packets.</p> <p>When the Color column is 1, specifies green packets.</p> <p>When the Color column is 2, specifies yellow packets.</p> <p>When the Color column is 3, specifies red packets.</p>
Value	The value of marking action	N/A	Unsigned integer.	<p>Required when the Type column is 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 16 or 17.</p> <p>When the Type column is 0, the value is invalid.</p> <p>When the Type column is 8 or 9, the value range is 1 to 4094.</p> <p>When the Type column is 7, the value range is 0 to 2.</p> <p>When the Type column is 5, the value range is 1 to 4095.</p> <p>When the Type column is 2, 3, 4, 6 or 10, the value range is 0 to 7.</p> <p>When the Type column is 11, the value range is 0 to 3 or 0 to 7.</p> <p>When the Type column is 1, the value range is 0 to 63.</p> <p>When the Type column is 12, the value range is 0 to 1.</p> <p>When the Type column is 16, the value range is 0 to 7 or a customized value.</p> <p>When the Type column is 17, the value range is 0 to 63.</p>

MQC/Redirect

This table contains information about redirect.

XML structure

```
<MQC>
  <Redirect>
    <Action>
      <BehaviorName></BehaviorName>
      <Type></Type>
      <IfIndex></IfIndex>
      <TrackOap></TrackOap>
      <VLANID></VLANID>
      <VSI></VSI>
      <Nexthop>
        <VRF></VRF>
        <IPAddr></IPAddr>
        <IPAddrBackup></IPAddrBackup>
        <Track></Track>
        <TrackBackup></TrackBackup>
      </Nexthop>
      <FailoverGroup>
        <GroupName></GroupName>
        <Channel></Channel>
      </FailoverGroup>
    </Action>
  </Redirect>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	Redirect
Table type	Multi-instance table
Row name	Action
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Type	Type of redirect	Index	Enumeration: <ul style="list-style-type: none">1—CPU.2—Interface.	When the Type column is 1 , redirect traffic to CPU.

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 3—VSI. 4—FailoverGroup. 6—Nexthop 	<p>When the Type column is 2, redirect traffic to an interface.</p> <p>When the Type column is 3, redirect traffic to a virtual station interface.</p> <p>When the Type column is 4, redirect traffic to a failover group.</p> <p>When the Type column is 6, redirect traffic to nexthop.</p>
IfIndex	Interface index	Index	Unsigned integer.	<p>The value of this column is valid if Type is 2.</p> <p>Some versions support interface name. For relevant information, see the XSD document of your product.</p>
TrackOap	Enable the traffic redirecting action to collaborate with OAP	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	The value of this column is valid if Type is 2 .
VLANID	VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094.	The value of this column is valid if Type is 2 .
VSI	Name of VSI	N/A	String. Length: 1 to 31 characters.	Required when the Type column is 3 .
Nexthop	Nexthop	N/A	N/A	N/A
VRF	VRF instance name	N/A	String. Length: 0 to 31 characters.	The value of this column is valid if Type is 6 .
IPAddr	Nexthop ip address	N/A	String, dotted decimal notation. Or Hexadecimal string, colon-separated. Length: 1 to 46 characters.	<p>The value of this column is valid if Type is 6.</p> <p>For example, 1.1.1.1, or 1:1::1:1.</p>
IPAddrBackup	Nexthop ip address	N/A	String, dotted decimal notation. Or Hexadecimal string, colon-separated. Length: 1 to 46 characters.	<p>The value of this column is valid if Type is 6.</p> <p>For example, 1.1.1.1, or 1:1::1:1.</p>
Track	Track	N/A	Unsigned integer. Value range: 1 to 1024.	The value of this column is valid if Type is 6 .
TrackBackup	Track	N/A	Unsigned integer. Value range: 1 to 1024.	The value of this column is valid if Type is 6 .
FailoverGroup	Failover group	Data structure	Members include: <ul style="list-style-type: none"> GroupName. Channel. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	Failover group name	N/A	String. Length: 1 to 63 characters.	The value of this column is valid if Type is 4 .
Channel	Channel	N/A	Unsigned integer. Value range: 0 to 1.	The value of this column is valid if Type is 4 . Some versions don't support this column. For relevant information, see the XSD document of your product.

MQC/Filter

This table contains information about filtering action.

XML structure

```

<MQC>
  <Filter>
    <Action>
      <BehaviorName></BehaviorName>
      <Type></Type>
    </Action>
  </Filter>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	Filter
Table type	Multi-instance table
Row name	Action
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Type	Type of filter	N/A	Enumeration: • 1 —Deny.	Required.

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 2—Permit. 	

MQC/AssuredForwarding

This table contains information about assured-forwarding queue.

XML structure

```
<MQC>
  <AssuredForwarding>
    <Action>
      <BehaviorName></BehaviorName>
      <Kbps></Kbps>
      <Pct></Pct>
      <RemainingPct></RemainingPct>
    </Action>
  </AssuredForwarding>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	AssuredForwarding
Table type	Multi-instance table
Row name	Action
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Kbps	Bandwidth value in kbps	N/A	Unsigned integer. Value range: 8 to 10,000,000.	When the configuration way of Bandwidth is Kbps, the others can't be configured at the same time.
Pct	Percentage of reserved bandwidth.	N/A	Unsigned integer. Value range: 1 to 100.	When the configuration way of Bandwidth is Pct, the others can't be configured at the same

Column name	Column description	Column type	Data type and restrictions	Remarks
				time.
RemainingPct	Percentage of remaining bandwidth.	N/A	Unsigned integer. Value range: 1 to 100.	When the configuration way of Bandwidth is RemainingPct, the others can't be configured at the same time.

MQC/ExpeditedForwarding

This table contains information about expedited-forwarding queue.

XML structure

```

<MQC>
  <ExpeditedForwarding>
    <Action>
      <BehaviorName></BehaviorName>
      <Bandwidth>
        <Kbps></Kbps>
        <CBS></CBS>
      </Bandwidth>
      <BandwidthPct>
        <Pct></Pct>
        <CBSRatio></CBSRatio>
      </BandwidthPct>
    </Action>
  </ExpeditedForwarding>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	ExpeditedForwarding
Table type	Multi-instance table
Row name	Action
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Bandwidth	Specify the Bandwidth value in kbps	Data structure	Members include: <ul style="list-style-type: none"> Kbps. CBS. 	When the configuration way of Bandwidth is Bandwidth, the Kbps must be specified, and another way can't be configured at the same time.
Kbps	value in kbps	N/A	Unsigned integer. Value range: 8 to 10,000,000.	N/A
CBS	Committed Burst Size	N/A	Unsigned integer. Value range: 32 to 1,000,000,000.	N/A
BandwidthPct	Specify the percentage of reserved bandwidth.	Data structure	Members include: <ul style="list-style-type: none"> Pct. CBS-Ratio. 	When the configuration way of Bandwidth is BandwidthPct, the Pct must be specified, and another way can't be configured at the same time.
Pct	Percentage of reserved bandwidth.	N/A	Unsigned integer. Value range: 1 to 100.	N/A
CBSRatio	CBS Ratio	N/A	Unsigned integer. Value range: 25 to 500.	The default value is 25.

MQC/WFQ

This table contains information about weighted fair queue.

XML structure

```

<MQC>
  <WFQ>
    <Action>
      <BehaviorName></BehaviorName>
      <QueueNum></QueueNum>
    </Action>
  </WFQ>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	WFQ
Table type	Multi-instance table
Row name	Action
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
QueueNum	Total queue number	N/A	Unsigned integer. Value range: 16 to 4096.	The value is power of 2. This column can be specified null. If it is null, the value is default, and default value varies by device.

MQC/CAR

This table contains information about car action.

XML structure

```
<MQC>
  <CAR>
    <Action>
      <BehaviorName></BehaviorName>
      <BandwidthUnit></BandwidthUnit>
      <CIR></CIR>
      <CBS></CBS>
      <EBS></EBS>
      <PIR></PIR>
      <GreenAction>
        <GreenActionType></GreenActionType>
        <GreenActionValue></GreenActionValue>
      </GreenAction>
      <YellowAction>
        <YellowActionType></YellowActionType>
        <YellowActionValue></YellowActionValue>
      </YellowAction>
    </Action>
  </CAR>
</MQC>
```

```

</YellowAction>
<RedAction>
  <RedActionType></RedActionType>
  <RedActionValue></RedActionValue>
</RedAction>
</Action>
</CAR>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	CAR
Table type	Multi-instance table
Row name	Action
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
BandwidthUnit	Specify bandwidth Unit	N/A	Enumeration: <ul style="list-style-type: none"> 1—pps. 2—kpbs. 3—percent. 	If this column is not configured, the default bandwidth unit is kpbs.
CIR	Committed information rate	N/A	Unsigned integer.	Required When BandwidthUnit is 3, the value range is 1 to 100.
CBS	Committed burst size	N/A	Unsigned integer.	When BandwidthUnit is 3, the value range is 50 to 2000.
EBS	Excess burst size	N/A	Unsigned integer.	If both CBS and PIR are not configured, EBS cannot be configured. When BandwidthUnit is 3, the value range is 0 to 2000.
PIR	Peak information rate	N/A	Unsigned integer.	When BandwidthUnit is 3, the value range is 1 to 100.

Column name	Column description	Column type	Data type and restrictions	Remarks
GreenAction	Specify behavior for green packets	Data structure	Members include: <ul style="list-style-type: none"> GreenActionType. GreenActionValue. 	GreenActionValue is required when GreenActionType is not 1, 10 or 19.
GreenActionType	Green Action Type	N/A	Enumeration: <ul style="list-style-type: none"> 1—pass. 2—remark-dscp-pass. 3—remark -prec-pass. 4—remark-mpls-exp-pass. 5—remark-dot1p-pass. 6—remark-atm-clp-pass. 7—remark-frde-pass. 8—remark-local-prec-pass. 10—discard. 19—continue. 	<p>When GreenActionType is 1, send the packet.</p> <p>When GreenActionType is 2, remark DSCP value of the packet and send it.</p> <p>When GreenActionType is 3, remark IP precedence of the packet and send it.</p> <p>When GreenActionType is 4, remark EXP of the MPLS packet and send it.</p> <p>When GreenActionType is 5, remark 802.1p priority value of the packet and send it.</p> <p>When GreenActionType is 6, remark CLP bit of the ATM packet and send it.</p> <p>When GreenActionType is 7, remark DE bit of the FR packet and send it.</p> <p>When GreenActionType is 8, remark local precedence of the packet and send it.</p> <p>When GreenActionType is 10, drop the packet.</p> <p>When GreenActionType is 19, continue to process the packet.</p>
GreenActionValue	Green Action Value	N/A	Unsigned integer. Value range: 0 to 63.	<p>When GreenActionType is 1, 10 or 19, GreenActionValue is ignored.</p> <p>When GreenActionType is 6 or 7, GreenActionValue is 0~1.</p> <p>When GreenActionType is 2, GreenActionValue is 0~63.</p> <p>When GreenActionType is 3, 4, 5, 8, GreenActionValue is 0~7.</p>
YellowAction	Specify behavior for yellow packets	Data structure	Members include: <ul style="list-style-type: none"> YellowActionType. YellowActionValue. 	YellowActionValue is required when YellowActionType is not 1, 10 or 19.
YellowAction	Yellow Action	N/A	Enumeration:	When YellowActionType

Column name	Column description	Column type	Data type and restrictions	Remarks
Type	Type		<ul style="list-style-type: none"> 1—pass. 2—remark-dscp-pass. 3—remark -prec-pass. 4—remark-mpls-exp-pass. 5—remark-dot1p-pass. 6—remark-atm-clp-pass. 7—remark-frde-pass. 8—remark-local-prec-pass. 10—discard. 19—continue. 	<p>is 1, send the packet.</p> <p>When YellowActionType is 2, remark DSCP value of the packet and send it.</p> <p>When YellowActionType is 3, remark IP precedence of the packet and send it.</p> <p>When YellowActionType is 4, remark EXP of the MPLS packet and send it.</p> <p>When YellowActionType is 5, remark 802.1p priority value of the packet and send it.</p> <p>When YellowActionType is 6, remark CLP bit of the ATM packet and send it.</p> <p>When YellowActionType is 7, remark DE bit of the FR packet and send it.</p> <p>When YellowActionType is 8, remark local precedence of the packet and send it.</p> <p>When YellowActionType is 10, drop the packet.</p> <p>When GreenActionType is 19, continue to process the packet.</p>
YellowActionValue	Yellow Action Value	N/A	Unsigned integer. Value range: 0 to 63.	<p>When YellowActionType is 1, 10 or 19, YellowActionValue is ignored.</p> <p>When YellowActionType is 6 or 7, YellowActionValue is 0~1.</p> <p>When YellowActionType is 2, YellowActionValue is 0~63.</p> <p>When YellowActionType is 3, 4, 5, 8, YellowActionValue is 0~7.</p>
RedAction	Specify behavior for red packets	Data structure	<p>Members include:</p> <ul style="list-style-type: none"> RedActionType. RedActionValue. 	RedActionValue is required when RedActionType is not 1, 10 or 19.
RedActionType	Red Action Type	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> 1—pass. 2—remark-dscp-pass. 3—remark -prec-pass. 4—remark-mpls-exp-pass. 	<p>When RedActionType is 1, send the packet.</p> <p>When RedActionType is 2, remark DSCP value of the packet and send it.</p> <p>When RedActionType is 3, remark IP</p>

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 5—remark-dot1p-pass. 6—remark-atm-clp-pass. 7—remark-frde-pass. 8—remark-local-prec-pass. 10—discard. 19—continue. 	<p>precedence of the packet and send it.</p> <p>When RedActionType is 4, remark EXP of the MPLS packet and send it.</p> <p>When RedActionType is 5, remark 802.1p priority value of the packet and send it.</p> <p>When RedActionType is 6, remark CLP bit of the ATM packet and send it.</p> <p>When RedActionType is 7, remark DE bit of the FR packet and send it.</p> <p>When RedActionType is 8, remark local precedence of the packet and send it.</p> <p>When RedActionType is 10, drop the packet.</p> <p>When GreenActionType is 19, continue to process the packet.</p>
RedActionValue	Red Action Value	N/A	Unsigned integer. Value range: 0 to 63.	<p>When RedActionType is 1, 10 or 19, RedActionValue is ignored.</p> <p>When RedActionType is 6 or 7, RedActionValue is 0~1.</p> <p>When RedActionType is 2, RedActionValue is 0~63.</p> <p>When RedActionType is 3, 4, 5, 8, RedActionValue is 0~7.</p>

MQC/ReservedBandwidth

This table contains information about the maximum reserved bandwidth as a percentage of available bandwidth.

XML structure

```

<MQC>
  <ReservedBandwidth>
    <Interface>
      <IfIndex></IfIndex>
      <Pct></Pct>
    </Interface>
  </ReservedBandwidth>

```

</MQC>

Table description

Item	Description
Feature name	MQC
Table name	ReservedBandwidth
Table type	Multi-instance table
Row name	Interface
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer	Some versions support interface name. For relevant information, see the XSD document of your product.
Pct	Specify the percentage of available bandwidth to be reserved	N/A	Unsigned integer. Value range: 1 to 100.	Required

MQC/Mirror

This table contains information about mirroring.

XML structure

```
<MQC>
  <Mirror>
    <Action>
      <BehaviorName></BehaviorName>
      <Type></Type>
      <IfIndex></IfIndex>
      <VLANID></VLANID>
      <IP>
        <DestIP></DestIP>
        <SrcIP></SrcIP>
        <DSCP></DSCP>
        <VLAN></VLAN>
        <VRF></VRF>
```

```

</IP>
<Mac></Mac>
<Board>
  <Chassis></Chassis>
  <Slot></Slot>
  <BackupChassis></BackupChassis>
  <BackupSlot></BackupSlot>
</Board>
<SamplerName></SamplerName>
</Action>
</Mirror>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	Mirror
Table type	Multi-instance table
Row name	Action
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Type	Type of mirror	Index	Enumeration: <ul style="list-style-type: none"> 1—Interface. 2—CPU. 3—VLAN. 4—Slot. 5—Local. 	<p>When the Type column is 1, mirror to an interface.</p> <p>When the Type column is 2, mirror to CPU.</p> <p>When the Type column is 3, mirror to VLAN.</p> <p>When the Type column is 4, traffic is mirrored to a board.</p> <p>When the Type column is 5, traffic is mirrored to the board on which the mirrored traffic is received or sent out.</p>
IfIndex	Interface index	Index	Unsigned integer.	<p>The value of this column is valid if Type is 1.</p> <p>Some versions support interface name. For relevant information, see</p>

Column name	Column description	Column type	Data type and restrictions	Remarks
				the XSD document of your product.
VLANID	VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094.	The value of this column is valid if Type is 3 .
IP	Specify IP for mirroring to interface with GRE format	Data structure	Members include: <ul style="list-style-type: none"> • DestIP • SrcIP • DSCP • VLAN • VRF 	DestIP and SrcIP must both be specified. DSCP, VLAN and VRF can be optionally specified when DestIP and SrcIP are configured. This structure is valid and optional if Type is 1.
DestIP	Destination IP address	N/A	String, dotted decimal notation.	Example: 10.153.93.54.
SrcIP	Source IP address	N/A	String, dotted decimal notation.	Example: 10.153.93.60.
DSCP	DSCP value	N/A	Unsigned integer. Value range: 0 to 63.	N/A
VLAN	VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094.	N/A
VRF	VRF instance name	N/A	String. Length: 1 to 31 characters.	N/A
Mac	Specify destination MAC for mirroring to interface	N/A	Six groups of two hexadecimal digits, hyphen-separated.	Example: 00-0c-af-e3-5d-c0. The value of this column is valid and optional if Type is 1.
Board	Specify Board for mirroring to a board.	Data structure	Members include: <ul style="list-style-type: none"> • Chassis • Slot • BackupChassis • BackupSlot 	If the device is a distributed device in standalone mode or a centralized IRF device, the slot must be specified. If the device supports mirroring packets to a backup slot, the BackupSlot can be specified. If the device is a distributed device in IRF mode, the chassis and slot must both be specified. If the device supports mirroring packets to a backup slot, the BackupChassis and BackupSlot can be specified. This structure is valid and optional if Type is 4.
Chassis	Chassis number	N/A	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			Value range: 0 to 65535	
Slot	Slot number	N/A	Unsigned integer. Value range: 0 to 65535	N/A
BackupChassis	Backup chassis number	N/A	Unsigned integer. Value range: 0 to 65535	N/A
BackupSlot	Backup slot number	N/A	Unsigned integer. Value range: 0 to 65535	N/A
SamplerName	Sampler name	N/A	String. Length: 1 to 31 characters.	The value of this column depends on the device model. The value of this column is valid and optional if Type is 1, 4, or 5.

MQC/GlobalPolicy

This table contains information about global QoS policies.

XML structure

```

<MQC>
  <GlobalPolicy>
    <Application>
      <Direction></Direction>
      <PolicyName></PolicyName>
    </Application>
  </GlobalPolicy>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	GlobalPolicy
Table type	Multi-instance table
Row name	Application
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none">• 0—Inbound.• 1—Outbound.	N/A
PolicyName	Policy name	N/A	String. Length: 1 to 31 characters.	Required.

MQC/VlanPolicy

This table contains information about QoS policies applied to VLANs.

XML structure

```
<MQC>
  <VlanPolicy>
    <Application>
      <VLANID></VLANID>
      <Direction></Direction>
      <PolicyName></PolicyName>
    </Application>
  </VlanPolicy>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	VlanPolicy
Table type	Multi-instance table
Row name	Application
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VLANID	VLAN ID	Index	Unsigned integer. Value range: 1 to 4094.	N/A
Direction	Application	Index	Enumeration:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	direction		<ul style="list-style-type: none"> 0—Inbound. 1—Outbound. 	
PolicyName	Policy name	N/A	String. Length: 1 to 31 characters.	Required.

MQC/InterfacePolicy

This table contains information about QoS policies applied to interfaces.

XML structure

```

<MQC>
  <InterfacePolicy>
    <Application>
      <IfIndex></IfIndex>
      <Direction></Direction>
      <PolicyName></PolicyName>
    </Application>
  </InterfacePolicy>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	InterfacePolicy
Table type	Multi-instance table
Row name	Application
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product.
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none"> 0—Inbound. 1—Outbound. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Policy name	N/A	String. Length: 1 to 31 characters.	Required.

MQC/IfPolicyEnhance

This table contains information about QoS policies applied to interfaces in enhanced mode.

XML structure

```

<MQC>
  <IfPolicyEnhance>
    <Application>
      <IfIndex></IfIndex>
      <Direction></Direction>
      <PolicyName></PolicyName>
    </Application>
  </IfPolicyEnhance>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	IfPolicyEnhance
Table type	Multi-instance table
Row name	Application
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product.
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none"> 0—Inbound. 1—Outbound. 	N/A
PolicyName	Policy name	N/A	String. Length: 1 to 31 characters.	Required.

MQC/GlobalPolicyEnhance

This table contains information about global QoS policies in enhanced mode.

XML structure

```
<MQC>
  <GlobalPolicyEnhance>
    <Application>
      <Direction></Direction>
      <PolicyName></PolicyName>
    </Application>
  </GlobalPolicyEnhance>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	GlobalPolicyEnhance
Table type	Multi-instance table
Row name	Application
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none">0—Inbound.1—Outbound.	N/A
PolicyName	Policy name	N/A	String. Length: 1 to 31 characters.	Required.

MQC/Account

This table contains information about accounting action.

XML structure

```
<MQC>
  <Account>
```

```

<Action>
  <BehaviorName></BehaviorName>
  <Byte></Byte>
  <Packet></Packet>
</Action>
</Account>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	Account
Table type	Multi-instance table
Row name	Action
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Byte	Accounting in bytes	N/A	Boolean: <ul style="list-style-type: none"> true—Conform. false—Not conform. 	N/A
Packet	Accounting in packets	N/A	Boolean: <ul style="list-style-type: none"> true—Conform. false—Not conform. 	N/A

MQC/PostClassify

This table contains information about processing QoS after other modules in the outbound direction of an interface.

XML structure

```

<MQC>
  <PostClassify>
    <Application>
      <IfIndex></IfIndex>
      <enable></enable>
    </Application>
  </PostClassify>

```

</MQC>

Table description

Item	Description
Feature name	MQC
Table name	PostClassify
Table type	Multi-instance table
Row name	Application
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	N/A
enable	Enable	column	Boolean <ul style="list-style-type: none">true—Conform.false—Not conform.	N/A

Appendix

This section describes how to configure an ACL rule and an inner ACL rule.

- There are two methods of configuring an ACL rule:

- Use the ACL group method.

```
<MQC>
  <Rules>
    <Rule>
      <ClassName>class</ClassName>
      <RuleID>0</RuleID>
      <Not>>false</Not>
      <Acl>
        <IPv4Acl>3000</IPv4Acl>
        <Inner>>false</Inner>
      </Acl>
    </Rule>
  </Rules>
</MQC>
```

- Use the IPv4 ACL node method.

```
<MQC>
  <Rules>
    <Rule>
      <ClassName>class</ClassName>
      <RuleID>0</RuleID>
```

```

        <Not>false</Not>
        <IPv4Acl>3000</IPv4Acl>
    </Rule>
</Rules>
</MQC>

```

- **Configure an inner ACL rule.**

```

<MQC>
  <Rules>
    <Rule>
      <ClassName>class</ClassName>
      <RuleID>0</RuleID>
      <Not>false</Not>
      <Acl>
        <IPv4Acl>3000</IPv4Acl>
        <Inner>true</Inner>
      </Acl>
    </Rule>
  </Rules>
</MQC>

```

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MQC

MQC/GlobalRunInfo

This table contains global operation status information.

XML structure

```
<MQC>
  <GlobalRunInfo>
    <ProcessingStatus></ProcessingStatus>
  </GlobalRunInfo>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	GlobalRunInfo
Table type	Single-instance table
Row name	N/A
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ProcessingStatus	Global operation status	N/A	Enumeration: <ul style="list-style-type: none">1—Idle.2—Busy.	N/A

MQC/AppRunInfo

This table contains policy application information.

XML structure

```
<MQC>
  <AppRunInfo>
    <AppRunInfoEntry>
      <AppType></AppType>
      <AppMainIndex></AppMainIndex>
    </AppRunInfoEntry>
  </AppRunInfo>
</MQC>
```

```

    <AppSubIndex></AppSubIndex>
    <AppDirection></AppDirection>
    <AppPolicyName></AppPolicyName>
    <ApplyStatus></ApplyStatus>
  </AppRunInfoEntry>
</AppRunInfo>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	AppRunInfo
Table type	Multi-instance table
Row name	AppRunInfoEntry
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AppType	Application type	Index	Enumeration: <ul style="list-style-type: none"> 1—Interface. 2—VLAN. 3—Global. 4—COPP. 	N/A
AppMainIndex	Primary index of the application	Index	Unsigned integer.	<p>The value depends on the AppType column:</p> <ul style="list-style-type: none"> Interface index if AppType is 1. Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in Ifmgr NETCONF XML API Configuration Reference. VLAN ID in the range of 1 to 4094 if AppType is 2. 0 if AppType is 3. Member ID (0 for a standalone device) if AppType is 4.
AppSubIndex	Secondary index	Index	Unsigned integer.	The value depends on

Column name	Column description	Column type	Data type and restrictions	Remarks
	of the application			the AppType column: <ul style="list-style-type: none"> Slot number of the card if AppType is 4. 0 is AppType is not 4.
AppDirection	Application direction	Index	Enumeration: <ul style="list-style-type: none"> 1—Inbound. 2—Outbound. 	N/A
AppPolicyName	Policy name	N/A	String. Length: 0 to 31 characters.	N/A
ApplyStatus	Application status	N/A	Enumeration: <ul style="list-style-type: none"> 1—Succeeded. 2—Succeeded partly. 	If some class-behavior associations in the policy are applied successfully but some are not, the value of this column is 2 .

MQC/CBRunInfo

This table contains class-behavior association operation information.

XML structure

```

<MQC>
  <CBRunInfo>
    <CBRunInfoEntry>
      <AppType></AppType>
      <AppMainIndex></AppMainIndex>
      <AppSubIndex></AppSubIndex>
      <AppDirection></AppDirection>
      <CBMapIndex></CBMapIndex>
      <ClassName></ClassName>
      <BehaviorName></BehaviorName>
      <CBApplyStatus></CBApplyStatus>
    </CBRunInfoEntry>
  </CBRunInfo>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	CBRunInfo
Table type	Multi-instance table

Item	Description
Row name	CBRunInfoEntry
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AppType	Application type	Index	Enumeration: <ul style="list-style-type: none"> 1—Interface. 2—VLAN. 3—Global. 4—COPP. 	N/A
AppMainIndex	Primary index of the application	Index	Unsigned integer.	The value depends on the AppType column: <ul style="list-style-type: none"> Interface index if AppType is 1. Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in Ifmgr NETCONF XML API Configuration Reference. VLAN ID in the range of 1 to 4094 if AppType is 2. 0 if AppType is 3. Member ID (0 for a standalone device) if AppType is 4.
AppSubIndex	Secondary index of the application	Index	Unsigned integer.	The value depends on the AppType column: <ul style="list-style-type: none"> Slot number of the card if AppType is 4. 0 is AppType is not 4.
AppDirection	Application direction	Index	Enumeration: <ul style="list-style-type: none"> 1—Inbound. 2—Outbound. 	N/A
CBMapIndex	Class-behavior association index	Index	Unsigned integer.	N/A
ClassName	Traffic class name	N/A	String. Length: 0 to 31 characters.	
BehaviorName	Traffic behavior name	N/A	String. Length: 0 to 31 characters.	

Column name	Column description	Column type	Data type and restrictions	Remarks
CBApplStatus	Class-behavior association application status	N/A	Enumeration: <ul style="list-style-type: none"> 1—Succeeded. 2—Failed. 3—Succeeded partly. 	If a class-behavior association fails to applied on a card when the policy is applied globally or to a VLAN, the value of this field is 3.

MQC/AccountRunInfo

This table contains traffic statistics information.

XML structure

```

<MQC>
  <AccountRunInfo>
    <AccountRunInfoEntry>
      <AppType></AppType>
      <AppMainIndex></AppMainIndex>
      <AppSubIndex></AppSubIndex>
      <AppDirection></AppDirection>
      <CBMapIndex></CBMapIndex>
      <AccountPkts></AccountPkts>
      <AccountBytes></AccountBytes>
      <Accounttps></Accounttps>
      <Accountbps></Accountbps>
    </AccountRunInfoEntry>
  </AccountRunInfo>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	AccountRunInfo
Table type	Multi-instance table
Row name	AccountRunInfoEntry
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AppType	Application type	Index	Enumeration: <ul style="list-style-type: none"> 1—Interface. 2—VLAN. 3—Global. 4—COPP. 	N/A
AppMainIndex	Primary index of the application	Index	Unsigned integer.	The value depends on the AppType column: <ul style="list-style-type: none"> Interface index if AppType is 1. Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in Ifmgr NETCONF XML API Configuration Reference. VLAN ID in the range of 1 to 4094 if AppType is 2. 0 if AppType is 3. Member ID (0 for a standalone device) if AppType is 4.
AppSubIndex	Secondary index of the application	Index	Unsigned integer.	The value depends on the AppType column: <ul style="list-style-type: none"> Slot number of the card if AppType is 4. 0 is AppType is not 4.
AppDirection	Application direction	Index	Enumeration: <ul style="list-style-type: none"> 1—Inbound. 2—Outbound. 	N/A
CBMapIndex	Class-behavior association index	Index	Unsigned integer.	N/A
AccountPkts	Traffic statistic in packets	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
AccountBytes	Traffic statistic in bytes	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
Accountpps	Traffic statistic in packets per second	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A
Accountbps	Traffic statistic in bits per	N/A	Unsigned integer. Value range: 0 to $2^{64}-1$.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	second			

MQC/CARRunInfo

This table contains CAR operation information. Aggregate CAR and hierarchical CAR are not supported.

XML structure

```

<MQC>
  <CARRunInfo>
    <CARRunInfoEntry>
      <AppType></AppType>
      <AppMainIndex></AppMainIndex>
      <AppSubIndex></AppSubIndex>
      <AppDirection></AppDirection>
      <CBMapIndex></CBMapIndex>
      <CIR></CIR>
      <CBS></CBS>
      <EBS></EBS>
      <PIR></PIR>
      <GreenPkts></GreenPkts>
      <GreenBytes></GreenBytes>
      <RedPkts></RedPkts>
      <RedBytes></RedBytes>
      <YellowPkts></YellowPkts>
      <YellowBytes></YellowBytes>
    </CARRunInfoEntry>
  </CARRunInfo>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	CARRunInfo
Table type	Multi-instance table
Row name	CARRunInfoEntry
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AppType	Application type	Index	Enumeration: <ul style="list-style-type: none"> 1—Interface. 2—VLAN. 3—Global. 4—COPP. 	N/A
AppMainIndex	Primary index of the application	Index	Unsigned integer.	The value depends on the AppType column: <ul style="list-style-type: none"> Interface index if AppType is 1. Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in Ifmgr NETCONF XML API Configuration Reference. VLAN ID in the range of 1 to 4094 if AppType is 2. 0 if AppType is 3. Member ID (0 for a standalone device) if AppType is 4.
AppSubIndex	Secondary index of the application	Index	Unsigned integer.	The value depends on the AppType column: <ul style="list-style-type: none"> Slot number of the card if AppType is 4. 0 is AppType is not 4.
AppDirection	Application direction	Index	Enumeration: <ul style="list-style-type: none"> 1—Inbound. 2—Outbound. 	N/A
CBMapIndex	Class-behavior association index	Index	Unsigned integer.	N/A
CIR	Committed information rate	N/A	Unsigned integer.	The value of this column depends on the device model.
CBS	Committed burst size	N/A	Unsigned integer.	The value of this column depends on the device model.
EBS	Excess burst size	N/A	Unsigned integer.	The value of this column depends on the device model.
PIR	Peak information	N/A	Unsigned integer.	The value of this

Column name	Column description	Column type	Data type and restrictions	Remarks
	rate			column depends on the device model. If PIR is not configured, 0xFFFFFFFF is returned.
GreenPkts	Green packet statistic in packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	If the device does not support this statistic, 0xFFFFFFFF F is returned.
GreenBytes	Green packet statistic in bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	If the device does not support this statistic, 0xFFFFFFFF F is returned.
RedPkts	Red packet statistic in packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	If the device does not support this statistic, 0xFFFFFFFF F is returned.
RedBytes	Red packet statistic in bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	If the device does not support this statistic, 0xFFFFFFFF F is returned.
YellowPkts	Yellow packet statistic in packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	If the device does not support this statistic, 0xFFFFFFFF F is returned.
YellowBytes	Yellow packet statistic in bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	If the device does not support this statistic, 0xFFFFFFFF F is returned.

MQC/Classifiers

This table contains information about classifiers.

XML structure

```

<MQC>
  <Classifiers>
    <Classifier>
      <Name></Name>
      <Operator></Operator>
      <Description></Description>
      <RuleNum></RuleNum>
      <DefineMode></DefineMode>
      <NextRuleID></NextRuleID>
    </Classifier>
  </Classifiers>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	Classifiers
Table type	Multi-instance table
Row name	Classifier
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Traffic Classifier name.	Index	String. Length: 1 to 31 characters.	N/A
Operator	Match operator of the traffic classifier	N/A	Enumeration: <ul style="list-style-type: none">• 1—And.• 2—Or.	When the Operator column is 1 , the traffic classifier matches the packets that match all its match criteria. When the Operator column is 2 , the traffic classifier matches the packets that match any of its match criteria.
Description	Traffic classifier description.	N/A	String. Length: 1 to 127 characters.	N/A
RuleNum	Number of rules.	N/A	Unsigned integer.	N/A
DefineMode	Define Mode.	N/A	Enumeration: <ul style="list-style-type: none">• 1—System defined.• 2—User defined.	N/A
NextRuleID	ID for create a new rule.	N/A	Unsigned integer.	N/A

MQC/Behaviors

This table contains information about behaviors.

XML structure

<MQC>

```

<Behaviors>
  <Behavior>
    <Name></Name>
    <ActionMask></ActionMask>
    <DefineMode></DefineMode>
  </Behavior>
</Behaviors>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	Behaviors
Table type	Multi-instance table
Row name	Behavior
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
ActionMask	Mask of action	N/A	Unsigned integer.	Action mask defines bit mask that it represents the action information of the behavior, defined below: ACCOUNT 0x02 FILTER 0x04 NEST 0x08 REMARK 0x10 REDIRECT 0x20 MIRROR 0x40 CAR 0x80 PRIMAP 0x100 GTS 0x200 AF 0x400 EF 0x800 WFQ 0x1000 WRED 0x2000 POLICY 0x4000 PKTRATE 0x8000 WEIGHT 0x10000
DefineMode	Define Mode.	N/A	Enumeration: <ul style="list-style-type: none"> 1—System defined. 2—User defined. 	N/A

MQC/Policies

This table contains information about policies.

XML structure

```

<MQC>
  <Policies>
    <Policy>
      <Name></Name>
      <CMapNum></CMapNum>
      <DefineMode></DefineMode>
      <NextCMapID></NextCMapID>
    </Policy>
  </Policies>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	Policies
Table type	Multi-instance table
Row name	Policy
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Policy name	Index	String. Length: 1 to 31 characters.	N/A
CBMapNum	Number of class-behavior associations	N/A	Unsigned integer.	N/A
DefineMode	Define Mode.	N/A	Enumeration: <ul style="list-style-type: none">• 1—System defined.• 2—User defined.	N/A
NextCBMapID	ID for create a new CBMap.	N/A	Unsigned integer.	N/A

MQC/CBMaps

This table contains information about class-behavior associations.

XML structure

```
<MQC>
  <CBMaps>
    <CBMap>
      <PolicyName></PolicyName>
      <ClassifierName></ClassifierName>
      <BehaviorName></BehaviorName>
      <Mode></Mode>
      <DefineMode></DefineMode>
    </CBMap>
  </CBMaps>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	CBMaps
Table type	Multi-instance table
Row name	CBMap
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Policy name	Index	String. Length: 1 to 31 characters.	N/A
ClassifierName	Traffic class name	Index	String. Length: 1 to 31 characters.	N/A
BehaviorName	Traffic behavior name	N/A	String. Length: 1 to 31 characters.	N/A
Mode	Mode of the class-behavior association	N/A	Enumeration: <ul style="list-style-type: none"> • 0—None. • 2—Qppb. • 16—Dcbx. 	<p>When the Mode column is 0, there is no restriction on the classifier-behavior or association.</p> <p>When the Mode column is 2, the classifier-behavior or association applies only to QPPB.</p> <p>When the Mode column is 16, the classifier-behavior or association applies only to the Data Center Bridging Exchange Protocol (DCBX).</p>
DefineMode	Define Mode.	N/A	Enumeration: <ul style="list-style-type: none"> • 1—System defined. • 2—User defined. 	N/A

MQC/Rules

This table contains information about rule.

XML structure

```
<MQC>
  <Rules>
    <Rule>
      <ClassName></ClassName>
      <RuleID></RuleID>
      <Not></Not>
      <PktType></PktType>
      <Acl>
        <IPv4Acl></IPv4Acl>
        <IPv6Acl></IPv6Acl>
        <Inner></Inner>
      </Acl>
      <IPv4Acl></IPv4Acl>
      <IPv6Acl></IPv6Acl>
      <SrcMac></SrcMac>
      <DestMac></DestMac>
      <ServiceVLANID></ServiceVLANID>
      <CustomerVLANID></CustomerVLANID>
      <ServiceDot1pList>
        <ServiceDot1p></ServiceDot1p>
      </ServiceDot1pList>
      <CustomerDot1pList>
        <CustomerDot1p></CustomerDot1p>
      </CustomerDot1pList>
      <ExpList>
        <Exp></Exp>
      </ExpList>
      <InnerExpList>
        <InnerExp></InnerExp>
      </InnerExpList>
      <IPPrecedenceList>
        <IPPrecedence></IPPrecedence>
      </IPPrecedenceList>
      <LocalPrecedenceList>
        <LocalPrecedence></LocalPrecedence>
      </LocalPrecedenceList>
      <DscpList>
        <Dscp></Dscp>
      </DscpList>
      <DropPriorityList>
        <DropPriority></DropPriority>
      </DropPriorityList>
      <QoSLocalID></QoSLocalID>
      <MplsLabelList>
        <MplsLabel></MplsLabel>
      </MplsLabelList>
```



```

<InnerMplsLabelList>
  <InnerMplsLabel></InnerMplsLabel>
</InnerMplsLabelList>
<PktLength>
  <Min></Min>
  <Max></Max>
</PktLength>
<MplsLabelRange>
  <LabelStart></LabelStart>
  <LabelEnd></LabelEnd>
</MplsLabelRange>
<InnerMplsLabelRange>
  <InnerLabelStart></InnerLabelStart>
  <InnerLabelEnd></InnerLabelEnd>
</InnerMplsLabelRange>
<RTPPort>
  <PortStart></PortStart>
  <PortEnd></PortEnd>
</RTPPort>
<Application></Application>
<ApplicationGroup></ApplicationGroup>
<Vxlan></Vxlan>
<VxlanAny></VxlanAny>
<TunnelID></TunnelID>
<VLANTag></VLANTag>
<TunnelDscpList>
  <TunnelDscp></TunnelDscp>
</TunnelDscpList>
</Rule>
</Rules>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	Rules
Table type	Multi-instance table
Row name	Rule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ClassName	Traffic classifier name	Index	String. Length: 1 to 31 characters.	N/A
RuleID	ID of the rule	Index	Unsigned integer	N/A
Not	Whether the matches packets conform to the specified criterion	N/A	Boolean: <ul style="list-style-type: none"> true—Conform. false—Not conform. 	N/A
PktType	Match the type of packet.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Any. 2—IP. 3—IPv6. 4—Arp. 5—Bt. 6—Bridge. 7—Route. 	<p>When the Type column is 1, the rule matches all packets.</p> <p>When the Type column is 2, the rule matches IP protocol.</p> <p>When the Type column is 3, the rule matches IPv6 protocol.</p> <p>When the Type column is 4, the rule matches ARP protocol.</p> <p>When the Type column is 5, the rule matches bittorrent protocol.</p> <p>When the Type column is 6, the rule matches Layer 2 forwarded packets.</p> <p>When the Type column is 7, the rule matches Layer 3 forwarded packets.</p>
Acl	Match ACL	Data structure	Members include: <ul style="list-style-type: none"> IPv4Acl. IPv6Acl. Inner. 	IPv4Acl and IPv6Acl cannot be specified together.
IPv4ACI	Match IPv4 ACL.	N/A	<ul style="list-style-type: none"> ACL name: Case-insensitive string of 1 to 63 characters. ACL number: An unsigned integer in the range of 2000 to 5999. 	An ACL name must start with an English letter and cannot be all .
IPv6ACI	Match IPv6 ACL.	N/A	<ul style="list-style-type: none"> ACL name: Case-insensitive string of 1 to 63 characters. ACL number: An unsigned integer in the range of 2000 to 3999. 	An ACL name must start with an English letter and cannot be all .

Column name	Column description	Column type	Data type and restrictions	Remarks
Inner	Match inner ACL.	N/A	Boolean: <ul style="list-style-type: none"> true—Conform. false—Not conform. 	N/A
IPv4ACI	Match IPv4 ACL.	N/A	<ul style="list-style-type: none"> ACL name: Case-insensitive string of 1 to 63 characters. ACL number: An unsigned integer in the range of 2000 to 5999. 	An ACL name must start with an English letter and cannot be all .
IPv6ACI	Match IPv6 ACL.	N/A	<ul style="list-style-type: none"> ACL name: Case-insensitive string of 1 to 63 characters. ACL number: An unsigned integer in the range of 2000 to 3999. 	An ACL name must start with an English letter and cannot be all .
SrcMac	Match a source MAC address.	N/A	Six groups of two hexadecimal digits, hyphen-separated.	N/A
DestMac	Match a destination MAC address.	N/A	Six groups of two hexadecimal digits, hyphen-separated.	N/A
ServiceVLANID	Match the service provider VLAN ID.	N/A	<p>Number string.</p> <p>It is a comma-separated list of VLAN items. An item can be an individual VLAN ID or a VLAN ID range. Use a hyphen (-) to separate the start and end VLANs of a range.</p> <p>The string must not end with a comma or hyphen, or include any whitespace characters.</p>	N/A
CustomerVLANID	Match the customer VLAN ID.	N/A	<p>Number string.</p> <p>It is a comma-separated list of VLAN items. An item can be an individual VLAN ID or a VLAN ID range. Use a hyphen (-) to separate the start and end VLANs of a range.</p> <p>The string must not end with a comma or hyphen, or include any whitespace characters.</p>	N/A
ServiceDot1p	Match the 802.1p priority of the service provider network.	N/A	Unsigned integer. Value range: 0 to 7.	N/A
CustomerDot1p	Match the 802.1p priority of the	N/A	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	customer network.		Value range: 0 to 7.	
Exp	Match MPLS EXP value.	N/A	Unsigned integer. Value range: 0 to 7.	N/A
InnerExp	Match inner MPLS EXP value.	N/A	Unsigned integer. Value range: 0 to 7.	N/A
IPPrecedence	Match IP precedence.	N/A	Unsigned integer. Value range: 0 to 7.	N/A
LocalPrecedence	Match local precedence.	N/A	Unsigned integer. Value range: 0 to 7.	N/A
Dscp	Match DSCP values.	N/A	Unsigned integer. Value range: 0 to 63.	N/A
DropPriority	Match drop precedence.	N/A	Unsigned integer. Value range: 0 to 2.	N/A
QoSLocalID	Match local QoS ID.	N/A	Unsigned integer. Value range: 1 to 4095.	N/A
MplsLabel	Match MPLS label.	N/A	Unsigned integer. Value range: 0 to 1048575.	N/A
InnerMplsLabel	Match inner MPLS label.	N/A	Unsigned integer. Value range: 0 to 1048575.	N/A
PktLength	Match packet length.	Data structure	Members include: <ul style="list-style-type: none"> Min. Max. 	N/A
Min	The minimum packet length in bytes.	N/A	Unsigned integer. Value range: 1 to 65535.	N/A
Max	The maximum packet length in bytes.	N/A	Unsigned integer. Value range: 1 to 65535.	N/A
MplsLabelRange	Match MPLS label range.	Data structure	Members include: <ul style="list-style-type: none"> LabelStart. LabelEnd. 	N/A
LabelStart	Start Label Value.	N/A	Unsigned integer. Value range: 0 to 1048575.	N/A
LabelEnd	End Label Value.	N/A	Unsigned integer. Value range: 0 to 1048575.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
InnerMplsLabelRange	Match inner MPLS label range.	Data structure	Members include: <ul style="list-style-type: none"> InnerLabelStart. InnerLabelEnd. 	N/A
InnerLabelStart	Start Label Value.	N/A	Unsigned integer. Value range: 0 to 1048575.	N/A
InnerLabelEnd	End Label Value.	N/A	Unsigned integer. Value range: 0 to 1048575.	N/A
RTPPort	Match RTP protocol port range.	Data structure	Members include: <ul style="list-style-type: none"> PortStart. PortEnd. 	N/A
PortStart	Start RTP port number	N/A	Unsigned integer. Value range: 2000 to 65535.	N/A
PortEnd	End RTP port number	N/A	Unsigned integer. Value range: 2000 to 65535.	N/A
Application	Match application layer protocol.	N/A	String, case-insensitive. Length: 1 to 63 characters.	APR/Applications/Application/AppName.
ApplicationGroup	Match application group.	N/A	String, case-insensitive. Length: 1 to 63 characters.	APR/AppGroups/GroupInfo/GroupName.
Vxlan	Match vxlan ID.	N/A	Unsigned integer. Value range: 0 to 16777215.	N/A
VxlanAny	Match any vxlan ID.	N/A	Boolean: <ul style="list-style-type: none"> true—Conform. false—Not conform. 	N/A
TunnelID	Match tunnel ID.	N/A	Unsigned integer. Value range: 0 to 1023.	N/A
VLANTag	Match VLAN tagging mode	N/A	Enumeration: <ul style="list-style-type: none"> 1—None. 2—Single-tagged. 4—Double-tagged. 	N/A
TunnelDscpList	Match Tunnel DSCP values.	Data structure	Members include: <ul style="list-style-type: none"> TunnelDscp. 	N/A
TunnelDscp	Match Tunnel DSCP values.	N/A	Unsigned integer. Value range: 0 to 63.	N/A

MQC/Remark

This table contains information about marking action.

XML structure

```
<MQC>
  <Remark>
    <Action>
      <BehaviorName></BehaviorName>
      <Type></Type>
      <Color></Color>
      <Value></Value>
    </Action>
  </Remark>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	Remark
Table type	Multi-instance table
Row name	Action
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Type	Type of remark	Index	Enumeration: <ul style="list-style-type: none">• 0—CDot1pTrust.• 1—Dscp.• 2—IPPre.• 3—MplsExp.• 4—Dot1p.• 5—LocalID.• 6—LocalPre.• 7—DropPre.• 8—CVlanID.• 9—SVlanID.• 10—ImpositionMplsExp.	When the Type column is 0 , configure an inner-to-outer tag priority copying action. When the Type column is 1 , configure a DSCP marking action. When the Type column is 2 , configure an IP precedence marking action. When the Type column is 3 , configure an EXP value marking action. When the Type column

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 12—AtmClp. 16—ServiceClass. 17—TunnelDscp. 	<p>is 4, configure an 802.1p priority marking action.</p> <p>When the Type column is 5, configure the action of setting the specified local QoS ID for packets.</p> <p>When the Type column is 6, configure a local precedence marking action.</p> <p>When the Type column is 7, configure a drop priority marking action.</p> <p>When the Type column is 8, configure a CVLAN marking action.</p> <p>When the Type column is 9, configure a SVLAN marking action.</p> <p>When the Type column is 10, configure an EXP value marking action for added labels.</p> <p>When the Type column is 12, configure the action of setting the CLP bit for ATM cells.</p> <p>When the Type column is 16, configure the action of setting the service-class for MPLS traffic engineering.</p> <p>When the Type column is 17, configure a tunnel-DSCP marking action.</p>
Color	The color of affected packets	Index	<p>Enumeration:</p> <ul style="list-style-type: none"> 0—No color. 1—Green. 2—Yellow. 3—Red. 	<p>Specify different color packets for the priority marking action. Support for the green, red and yellow keyword depends on the device model.</p> <p>When- the Color column is 0, specifies all packets.</p> <p>When the Color column is 1, specifies green packets.</p> <p>When the Color column is 2, specifies yellow packets.</p> <p>When the Color column is 3, specifies red packets.</p>
Value	The value of marking action	N/A	Unsigned integer.	Required when the Type column is 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 16 or

Column name	Column description	Column type	Data type and restrictions	Remarks
				<p>17.</p> <p>When the Type column is 0, the value is invalid.</p> <p>When the Type column is 8 or 9, the value range is 1 to 4094.</p> <p>When the Type column is 7, the value range is 0 to 2.</p> <p>When the Type column is 5, the value range is 1 to 4095.</p> <p>When the Type column is 2, 3, 4, 6 or 10, the value range is 0 to 7.</p> <p>When the Type column is 1, the value range is 0 to 63.</p> <p>When the Type column is 12, the value range is 0 to 1.</p> <p>When the Type column is 16, the value range is 0 to 7 or a customized value.</p> <p>When the Type column is 17, the value range is 0 to 63.</p>

MQC/Redirect

This table contains information about redirect.

XML structure

```

<MQC>
  <Redirect>
    <Action>
      <BehaviorName></BehaviorName>
      <Type></Type>
      <IfIndex></IfIndex>
      <TrackOap></TrackOap>
      <VLANID></VLANID>
      <VSI></VSI>
      <Nexthop>
        <VRF></VRF>
        <IPAddr></IPAddr>
        <IPAddrBackup></IPAddrBackup>
        <Track></Track>
        <TrackBackup></TrackBackup>
      </Nexthop>
    </Action>
  </Redirect>
</MQC>

```



```

    </NextHop>
  <FailoverGroup>
    <GroupName></GroupName>
    <Channel></Channel>
  </FailoverGroup>
</Action>
</Redirect>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	Redirect
Table type	Multi-instance table
Row name	Action
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Type	Type of redirect	Index	Enumeration: <ul style="list-style-type: none"> 1—CPU. 2—Interface. 3—VSI. 4—FailoverGroup. 6—NextHop 	<p>When the Type column is 1, redirect traffic to CPU.</p> <p>When the Type column is 2, redirect traffic to an interface.</p> <p>When the Type column is 3, redirect traffic to a virtual station interface.</p> <p>When the Type column is 4, redirect traffic to a failover group.</p> <p>When the Type column is 6, redirect traffic to nextHop.</p>
IfIndex	Interface index	Index	Unsigned integer.	<p>The value of this column is valid only when the Type column is 2.</p> <p>Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in Ifmgr NETCONF XML API</p>

Column name	Column description	Column type	Data type and restrictions	Remarks
				Configuration Reference.
TrackOap	Enable the traffic redirecting action to collaborate with OAP	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	The value of this column is valid only when the Type column is 2 .
VLANID	VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094.	The value of this column is valid only when the Type column is 2 .
VSI	Name of VSI	N/A	String. Length: 1 to 31 characters.	Required and valid only when the Type column is 3 .
Nexthop	Nexthop	N/A	N/A	N/A
VRF	VRF instance name	N/A	String. Length: 0 to 31 characters.	The value of this column is valid if Type is 6 .
IPAddr	Nexthop ip address	N/A	String, dotted decimal notation. Or Hexadecimal string, colon-separated. Length: 1 to 46 characters.	The value of this column is valid if Type is 6 . For example, 1.1.1.1, or 1:1::1:1.
IPAddrBackup	Nexthop ip address	N/A	String, dotted decimal notation. Or Hexadecimal string, colon-separated. Length: 1 to 46 characters.	The value of this column is valid if Type is 6 . For example, 1.1.1.1, or 1:1::1:1.
Track	Track	N/A	Unsigned integer. Value range: 1 to 1024.	The value of this column is valid if Type is 6 .
TrackBackup	Track	N/A	Unsigned integer. Value range: 1 to 1024.	The value of this column is valid if Type is 6 .
FailoverGroup	Failover group	Data structure	Members include: <ul style="list-style-type: none"> GroupName. Channel. 	N/A
GroupName	Failover group name	N/A	String. Length: 1 to 63 characters.	The value of this column is valid if Type is 4 .
Channel	Channel	N/A	Unsigned integer. Value range: 0 to 1.	The value of this column is valid if Type is 4 . Some versions don't support this column. For relevant information, see the XSD document of your product.

MQC/Mirror

This table contains information about mirroring.

XML structure

```
<MQC>
  <Mirror>
    <Action>
      <BehaviorName></BehaviorName>
      <Type></Type>
      <IfIndex></IfIndex>
      <VLANID></VLANID>
      <IP>
        <DestIP></DestIP>
        <SrcIP></SrcIP>
        <DSCP></DSCP>
        <VLAN></VLAN>
        <VRF></VRF>
      </IP>
      <Mac></Mac>
      <Board>
        <Chassis></Chassis>
        <Slot></Slot>
        <BackupChassis></BackupChassis>
        <BackupSlot></BackupSlot>
      </Board>
      <SamplerName></SamplerName>
    </Action>
  </Mirror>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	Mirror
Table type	Multi-instance table
Row name	Action
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Type	Type of mirror	Index	Enumeration: <ul style="list-style-type: none">1—Interface.	When the Type column is 1 , mirror to an interface.

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 2—CPU. 3—VLAN. 4—Slot. 5—Local. 	<p>When the Type column is 2, mirror to CPU.</p> <p>When the Type column is 3, mirror to VLAN.</p> <p>When the Type column is 4, traffic is mirrored to a board.</p> <p>When the Type column is 5, traffic is mirrored to the board on which the mirrored traffic is received or sent out.</p>
IfIndex	Interface index	Index	Unsigned integer.	The value of this column is valid if Type is 1 . Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in Ifmgr NETCONF XML API Configuration Reference.
VLANID	VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094.	The value of this column is valid if Type is 3 .
IP	Specify IP for mirroring to interface with GRE format	Data structure	Members include: <ul style="list-style-type: none"> DestIP SrcIP DSCP VLAN VRF 	<p>DestIP and SrcIP must both be specified.</p> <p>DSCP, VLAN and VRF can be optionally specified when DestIP and SrcIP are configured.</p> <p>This structure is valid and optional if Type is 1.</p>
DestIP	Destination IP address	N/A	String, dotted decimal notation.	Example: 10.153.93.54.
SrcIP	Source IP address	N/A	String, dotted decimal notation.	Example: 10.153.93.60.
DSCP	DSCP value	N/A	Unsigned integer. Value range: 0 to 63.	N/A
VLAN	VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094.	N/A
VRF	VRF instance name	N/A	String. Length: 1 to 31 characters.	N/A
Mac	Specify destination MAC for mirroring to interface	N/A	Six groups of two hexadecimal digits, hyphen-separated.	<p>Example: 00-0c-af-e3-5d-c0.</p> <p>The value of this column is valid and optional if Type is 1.</p>
Board	Specify Board for mirroring to a	Data structure	Members include: <ul style="list-style-type: none"> Chassis 	If the device is a distributed device in

Column name	Column description	Column type	Data type and restrictions	Remarks
	board.		<ul style="list-style-type: none"> Slot BackupChassis BackupSlot 	<p>standalone mode or a centralized IRF device, the slot must be specified. If the device supports mirroring packets to a backup slot, the BackupSlot can be specified.</p> <p>If the device is a distributed device in IRF mode, the chassis and slot must both be specified. If the device supports mirroring packets to a backup slot, the BackupChassis and BackupSlot can be specified.</p> <p>This structure is valid and optional if Type is 4.</p>
Chassis	Chassis number	N/A	Unsigned integer. Value range: 0 to 65535	N/A
Slot	Slot number	N/A	Unsigned integer. Value range: 0 to 65535	N/A
BackupChassis	Backup chassis number	N/A	Unsigned integer. Value range: 0 to 65535	N/A
BackupSlot	Backup slot number	N/A	Unsigned integer. Value range: 0 to 65535	N/A
SamplerName	Sampler name	N/A	String. Length: 1 to 31 characters.	<p>The value of this column depends on the device model.</p> <p>The value of this column is valid and optional if Type is 1, 4 or 5.</p>

MQC/Filter

This table contains information about filtering action.

XML structure

```

<MQC>
  <Filter>
    <Action>
      <BehaviorName></BehaviorName>
      <Type></Type>
    </Action>
  </Filter>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	Filter
Table type	Multi-instance table
Row name	Action
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Type	Type of filter	N/A	Enumeration: <ul style="list-style-type: none">1—Deny.2—Permit.	Required.

MQC/AssuredForwarding

This table contains information about assured-forwarding queue.

XML structure

```
<MQC>
  <AssuredForwarding>
    <Action>
      <BehaviorName></BehaviorName>
      <Kbps></Kbps>
      <Pct></Pct>
      <RemainingPct></RemainingPct>
    </Action>
  </AssuredForwarding>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	AssuredForwarding
Table type	Multi-instance table

Row name	Action
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Kbps	Bandwidth value in kbps	N/A	Unsigned integer. Value range: 8 to 10,000,000.	When the configuration way of Bandwidth is Kbps, the others can't be configured at the same time.
Pct	Percentage of reserved bandwidth.	N/A	Unsigned integer. Value range: 1 to 100.	When the configuration way of Bandwidth is Pct, the others can't be configured at the same time.
RemainingPct	Percentage of remaining bandwidth.	N/A	Unsigned integer. Value range: 1 to 100.	When the configuration way of Bandwidth is RemainingPct, the others can't be configured at the same time.

MQC/ExpeditedForwarding

This table contains information about expedited-forwarding queue.

XML structure

```

<MQC>
  <ExpeditedForwarding>
    <Action>
      <BehaviorName></BehaviorName>
      <Bandwidth>
        <Kbps></Kbps>
        <CBS></CBS>
      </Bandwidth>
      <BandwidthPct>
        <Pct></Pct>
        <CBSRatio></CBSRatio>
      </BandwidthPct>
    </Action>
  </ExpeditedForwarding>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	ExpeditedForwarding
Table type	Multi-instance table
Row name	Action
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Bandwidth	Specify the Bandwidth value in kbps	Data structure	Members include: <ul style="list-style-type: none">• Kbps.• CBS.	When the configuration way of Bandwidth is Bandwidth, the Kbps must be specified, and another way can't be configured at the same time.
Kbps	value in kbps	N/A	Unsigned integer. Value range: 8 to 10,000,000.	N/A
CBS	Committed Burst Size	N/A	Unsigned integer. Value range: 32 to 1,000,000,000.	N/A
BandwidthPct	Specify the percentage of reserved bandwidth.	Data structure	Members include: <ul style="list-style-type: none">• Pct.• CBSRatio.	When the configuration way of Bandwidth is BandwidthPct, the Pct must be specified, and another way can't be configured at the same time.
Pct	Percentage of reserved bandwidth.	N/A	Unsigned integer. Value range: 1 to 100.	N/A
CBSRatio	CBS Ratio	N/A	Unsigned integer. Value range: 25 to 500.	The default value is 25.

MQC/WFQ

This table contains information about weighted fair queue.

XML structure

```
<MQC>
  <WFQ>
    <Action>
      <BehaviorName></BehaviorName>
      <QueueNum></QueueNum>
    </Action>
  </WFQ>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	WFQ
Table type	Multi-instance table
Row name	Action
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
QueueNum	Total queue number	N/A	Unsigned integer. Value range: 16 to 4096.	When the value is 0, the device model does not support configuring the QueueNum.

MQC/CAR

This table contains information about car action.

XML structure

```
<MQC>
  <CAR>
    <Action>
      <BehaviorName></BehaviorName>
      <BandwidthUnit></BandwidthUnit>
      <CIR></CIR>
      <CBS></CBS>
      <EBS></EBS>
```

```

<PIR></PIR>
<GreenAction>
  <GreenActionType></GreenActionType>
  <GreenActionValue></GreenActionValue>
</GreenAction>
<YellowAction>
  <YellowActionType></YellowActionType>
  <YellowActionValue></YellowActionValue>
</YellowAction>
<RedAction>
  <RedActionType></RedActionType>
  <RedActionValue></RedActionValue>
</RedAction>
</Action>
</CAR>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	CAR
Table type	Multi-instance table
Row name	Action
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
BandwidthUnit	Specify bandwidth Unit	N/A	Enumeration: <ul style="list-style-type: none"> 1—pps. 2—kpbs. 3—percent. 	If this column is not configured, the default bandwidth unit is kpbs.
CIR	Committed information rate	N/A	Unsigned integer.	N/A
CBS	Committed burst size	N/A	Unsigned integer.	N/A
EBS	Excess burst size	N/A	Unsigned integer.	N/A
PIR	Peak information rate	N/A	Unsigned integer.	N/A
GreenAction	Specify behavior	Data	Members include:	

Column name	Column description	Column type	Data type and restrictions	Remarks
	for green packets	structure	<ul style="list-style-type: none"> GreenActionType. GreenActionValue. 	
GreenActionType	Green Action Type	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> 1—pass. 2—remark-dscp-pass. 3—remark-prec-pass. 4—remark-mpls-exp-pass. 5—remark-dot1p-pass. 6—remark-atm-clp-pass. 7—remark-frde-pass. 8—remark-local-prec-pass. 10—discard. 19—continue. 	<p>When GreenActionType is 1, send the packet.</p> <p>When GreenActionType is 2, remark DSCP value of the packet and send it.</p> <p>When GreenActionType is 3, remark IP precedence of the packet and send it.</p> <p>When GreenActionType is 4, remark EXP of the MPLS packet and send it.</p> <p>When GreenActionType is 5, remark 802.1p priority value of the packet and send it.</p> <p>When GreenActionType is 6, remark CLP bit of the ATM packet and send it.</p> <p>When GreenActionType is 7, remark DE bit of the FR packet and send it.</p> <p>When GreenActionType is 8, remark local precedence of the packet and send it.</p> <p>When GreenActionType is 10, drop the packet.</p> <p>When GreenActionType is 19, continue to process the packet.</p>
GreenActionValue	Green Action Value	N/A	Unsigned integer.	<p>When GreenActionType is 1, 10 or 19, GreenActionValue is invisible.</p> <p>When GreenActionType is 6 or 7, GreenActionValue is 0~1.</p> <p>When GreenActionType is 2, GreenActionValue is 0~63.</p> <p>When GreenActionType is 3, 4, 5, 8, GreenActionValue is 0~7.</p>
YellowAction	Specify behavior for yellow packets	Data structure	<p>Members include:</p> <ul style="list-style-type: none"> YellowActionType. YellowActionValue. 	
YellowActionType	Yellow Action Type	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> 1—pass. 2—remark-dscp-pass. 	<p>When YellowActionType is 1, send the packet.</p> <p>When YellowActionType</p>

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> • 3—remark-prec-pass. • 4—remark-mpls-exp-pass. • 5—remark-dot1p-pass. • 6—remark-atm-clp-pass. • 7—remark-frde-pass. • 8—remark-local-prec-pass. • 10—discard. • 19—continue. 	<p>is 2, remark DSCP value of the packet and send it.</p> <p>When YellowActionType is 3, remark IP precedence of the packet and send it.</p> <p>When YellowActionType is 4, remark EXP of the MPLS packet and send it.</p> <p>When YellowActionType is 5, remark 802.1p priority value of the packet and send it.</p> <p>When YellowActionType is 6, remark CLP bit of the ATM packet and send it.</p> <p>When YellowActionType is 7, remark DE bit of the FR packet and send it.</p> <p>When YellowActionType is 8, remark local precedence of the packet and send it.</p> <p>When YellowActionType is 10, drop the packet.</p> <p>When YellowActionType is 19, continue to process the packet.</p>
YellowActionValue	Yellow Action Value	N/A	Unsigned integer.	<p>When YellowActionType is 1, 10 or 19, YellowActionValue is invisible.</p> <p>When YellowActionType is 6 or 7, YellowActionValue is 0~1.</p> <p>When YellowActionType is 2, YellowActionValue is 0~63.</p> <p>When YellowActionType is 3, 4, 5, 8, YellowActionValue is 0~7.</p>
RedAction	Specify behavior for red packets	Data structure	<p>Members include:</p> <ul style="list-style-type: none"> • RedActionType. • RedActionValue. 	
RedActionType	Red Action Type	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> • 1—pass. • 2—remark-dscp-pass. • 3—remark-prec-pass. • 4—remark-mpls-exp-pass. • 5—remark-dot1p-pass. • 6—remark-atm-clp-pass. 	<p>When RedActionType is 1, send the packet.</p> <p>When RedActionType is 2, remark DSCP value of the packet and send it.</p> <p>When RedActionType is 3, remark IP precedence of the packet and send it.</p>

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 7—remark-frde-pass. 8—remark-local-prec-pass. 10—discard. 19—continue. 	<p>When RedActionType is 4, remark EXP of the MPLS packet and send it.</p> <p>When RedActionType is 5, remark 802.1p priority value of the packet and send it.</p> <p>When RedActionType is 6, remark CLP bit of the ATM packet and send it.</p> <p>When RedActionType is 7, remark DE bit of the FR packet and send it.</p> <p>When RedActionType is 8, remark local precedence of the packet and send it.</p> <p>When RedActionType is 10, drop the packet.</p> <p>When RedActionType is 19, continue to process the packet.</p>
RedActionValue	Red Action Value	N/A	Unsigned integer.	<p>When RedActionType is 1, 10 or 19, RedActionValue is invisible.</p> <p>When RedActionType is 6 or 7, RedActionValue is 0~1.</p> <p>When RedActionType is 2, RedActionValue is 0~63.</p> <p>When RedActionType is 3, 4, 5, 8, RedActionValue is 0~7.</p>

MQC/ReservedBandwidth

This table contains information about the maximum reserved bandwidth as a percentage of available bandwidth.

XML structure

```

<MQC>
  <ReservedBandwidth>
    <Interface>
      <IfIndex></IfIndex>
      <Pct></Pct>
    </Interface>
  </ReservedBandwidth>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	ReservedBandwidth
Table type	Multi-instance table
Row name	Interface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
Pct	Specify the percentage of available bandwidth to be reserved	N/A	Unsigned integer	N/A

MQC/GlobalPolicy

This table contains information about global QoS policies.

XML structure

```
<MQC>
  <GlobalPolicy>
    <Application>
      <Direction></Direction>
      <PolicyName></PolicyName>
      <Status></Status>
    </Application>
  </GlobalPolicy>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	GlobalPolicy
Table type	Multi-instance table
Row name	Application
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none">• 0—Inbound.• 1—Outbound.	N/A
PolicyName	Policy name	N/A	String. Length: 1 to 31 characters.	N/A
Status	Application status	N/A	Enumeration: <ul style="list-style-type: none">• 1—Succeeded.• 2—Failed.• 3—Succeeded partly.	If some class-behavior associations in the policy are applied successfully but some are not, the value of this column is 3 .

MQC/VlanPolicy

This table contains information about QoS policies applied to VLANs.

XML structure

```
<MQC>
  <VlanPolicy>
    <Application>
      <VLANID></VLANID>
      <Direction></Direction>
      <PolicyName></PolicyName>
      <Status></Status>
    </Application>
  </VlanPolicy>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	VlanPolicy
Table type	Multi-instance table
Row name	Application
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VALNID	VLAN ID	Index	Unsigned integer. Value range: 1 to 4094.	N/A
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none">• 0—Inbound.• 1—Outbound.	N/A
PolicyName	Policy name	N/A	String. Length: 1 to 31 characters.	N/A
Status	Application status	N/A	Enumeration: <ul style="list-style-type: none">• 1—Succeeded.• 2—Failed.• 3—Succeeded partly.	If some class-behavior associations in the policy are applied successfully but some are not, the value of this column is 3 .

MQC/InterfacePolicy

This table contains information about QoS policies applied to interfaces.

XML structure

```
<MQC>
  <InterfacePolicy>
    <Application>
      <IfIndex></IfIndex>
      <Direction></Direction>
      <PolicyName></PolicyName>
      <Status></Status>
    </Application>
  </InterfacePolicy>
</MQC>
```


Table description

Item	Description
Feature name	MQC
Table name	InterfacePolicy
Table type	Multi-instance table
Row name	Application
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in Ifmgr NETCONF XML API Configuration Reference.
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none">• 0—Inbound.• 1—Outbound.	N/A
PolicyName	Policy name	N/A	String. Length: 1 to 31 characters.	N/A
Status	Application status	N/A	Enumeration: <ul style="list-style-type: none">• 1—Succeeded.• 2—Failed.• 3—Succeeded partly.	If some class-behavior associations in the policy are applied successfully but some are not, the value of this column is 3 .

MQC/IfPolicyCBMap

This table contains information about class-behavior associations running information applied to interfaces.

XML structure

```
<MQC>
  <IfPolicyCMap>
    <Interface>
      <IfIndex></IfIndex>
      <Direction></Direction>
      <ClassName></ClassName>
      <BehaviorName></BehaviorName>
      <Mode></Mode>
      <Status></Status>
      <MatchedPackets></MatchedPackets>
      <MatchedBytes></MatchedBytes>
    </Interface>
  </IfPolicyCMap>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	IfPolicyCMap
Table type	Multi-instance table
Row name	Interface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in Ifmgr NETCONF XML API Configuration Reference.
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none">0—Inbound.1—Outbound.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
BehaviorName	Behavior name	N/A	String. Length: 1 to 31 characters.	N/A
Mode	Mode of the class-behavior association	N/A	Enumeration: <ul style="list-style-type: none"> 0—None. 2—Qppb. 16—Dcbx. 	When the Mode column is 0, there is no restriction on the classifier-behavior association. When the Mode column is 2, the classifier-behavior association applies only to QPPB. When the Mode column is 16, the classifier-behavior association applies only to the Data Center Bridging Exchange Protocol (DCBX).
Status	Class-Behavior association application status	N/A	Enumeration: <ul style="list-style-type: none"> 1—Succeeded. 2—Failed. 	N/A
MatchedPackets	Matched Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
MatchedBytes	Matched Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

MQC/GlobalPolicyCBMap

This table contains information about class-behavior associations running information applied to global.

XML structure

```

<MQC>
  <GlobalPolicyCBMap>
    <Global>
      <Direction></Direction>
      <ClassName></ClassName>
      <BehaviorName></BehaviorName>
      <Mode></Mode>

```

```

    <Status></Status>
    <MatchedPackets></MatchedPackets>
    <MatchedBytes></MatchedBytes>
  </Global>
</GlobalPolicyCMap>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	GlobalPolicyCMap
Table type	Multi-instance table
Row name	Global
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none"> 0—Inbound. 1—Outbound. 	N/A
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
BehaviorName	Behavior name	N/A	String. Length: 1 to 31 characters.	N/A
Mode	Mode of the class-behavior association	N/A	Enumeration: <ul style="list-style-type: none"> 0—None. 2—Qppb. 16—Dcbx. 	<p>When the Mode column is 0, there is no restriction on the classifier-behavior or association.</p> <p>When the Mode column is 2, the classifier-behavior or association applies only to QPPB.</p> <p>When the Mode column is 16, the classifier-behavior or association applies only to the Data Center Bridging Exchange Protocol (DCBX).</p>

Column name	Column description	Column type	Data type and restrictions	Remarks
Status	Class-Behavior association application status	N/A	Enumeration: <ul style="list-style-type: none"> 1—Succeeded. 2—Failed. 	N/A
MatchedPackets	Matched Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
MatchedBytes	Matched Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

MQC/VLANPolicyCMap

This table contains information about class-behavior associations running information applied to VLANs.

XML structure

```

<MQC>
  <VLANPolicyCMap>
    <VLAN>
      <VLANID></VLANID>
      <Direction></Direction>
      <ClassName></ClassName>
      <BehaviorName></BehaviorName>
      <Mode></Mode>
      <Status></Status>
      <MatchedPackets></MatchedPackets>
      <MatchedBytes></MatchedBytes>
    </VLAN>
  </VLANPolicyCMap>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	VLANPolicyCMap
Table type	Multi-instance table
Row name	VLAN
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VLANID	VLAN ID	Index	Unsigned integer. Value range: 1 to 4094.	N/A
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none"> 0—Inbound. 1—Outbound. 	N/A
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
BehaviorName	Behavior name	N/A	String. Length: 1 to 31 characters.	N/A
Mode	Mode of the class-behavior association	N/A	Enumeration: <ul style="list-style-type: none"> 0—None. 2—Qppb. 16—Dcbx. 	<p>When the Mode column is 0, there is no restriction on the classifier-behavior or association.</p> <p>When the Mode column is 2, the classifier-behavior or association applies only to QPPB.</p> <p>When the Mode column is 16, the classifier-behavior or association applies only to the Data Center Bridging Exchange Protocol (DCBX).</p>
Status	Class-Behavior association application status	N/A	Enumeration: <ul style="list-style-type: none"> 1—Succeeded. 2—Failed. 	N/A
MatchedPackets	Matched Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
MatchedBytes	Matched Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

MQC/IfPolicyCar

This table contains information about car associations running information applied to interfaces.

XML structure

```
<MQC>
  <IfPolicyCar>
    <Interface>
      <IfIndex></IfIndex>
      <Direction></Direction>
      <ClassName></ClassName>
      <CIR></CIR>
      <CBS></CBS>
      <EBS></EBS>
      <PIR></PIR>
      <GreenAction>
        <GreenActionType></GreenActionType>
        <GreenActionValue></GreenActionValue>
      </GreenAction>
      <YellowAction>
        <YellowActionType></YellowActionType>
        <YellowActionValue></YellowActionValue>
      </YellowAction>
      <RedAction>
        <RedActionType></RedActionType>
        <RedActionValue></RedActionValue>
      </RedAction>
      <GreenPkts></GreenPkts>
      <GreenBytes></GreenBytes>
      <YellowPkts></YellowPkts>
      <YellowBytes></YellowBytes>
      <RedPkts></RedPkts>
      <RedBytes></RedBytes>
    </Interface>
  </IfPolicyCar>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	IfPolicyCar
Table type	Multi-instance table
Row name	Interface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none"> 0—Inbound. 1—Outbound. 	N/A
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
CIR	Committed information rate	N/A	Unsigned integer.	N/A
CBS	Committed burst size	N/A	Unsigned integer.	N/A
EBS	Excess burst size	N/A	Unsigned integer.	N/A
PIR	Peak information rate	N/A	Unsigned integer.	N/A
GreenAction	Specify behavior for green packets	Data structure	Members include: <ul style="list-style-type: none"> GreenActionType. GreenActionValue. 	
GreenActionType	Green Action Type	N/A	Enumeration: <ul style="list-style-type: none"> 1—pass. 2—remark-dscp-pass. 3—remark-prec-pass. 4—remark-mpls-exp-pass. 5—remark-dot1p-pass. 6—remark-atm-clp-pass. 7—remark-frde-pass. 8—remark-local-prec-pass. 10—discard. 19—continue. 	<p>When GreenActionType is 1, send the packet.</p> <p>When GreenActionType is 2, remark DSCP value of the packet and send it.</p> <p>When GreenActionType is 3, remark IP precedence of the packet and send it.</p> <p>When GreenActionType is 4, remark EXP of the MPLS packet and send it.</p> <p>When GreenActionType is 5, remark 802.1p priority value of the packet and send it.</p> <p>When GreenActionType is 6, remark CLP bit of the ATM packet and send it.</p>

Column name	Column description	Column type	Data type and restrictions	Remarks
				<p>When GreenActionType is 7, remark DE bit of the FR packet and send it.</p> <p>When GreenActionType is 8, remark local precedence of the packet and send it.</p> <p>When GreenActionType is 10, drop the packet.</p> <p>When GreenActionType is 19, continue to process the packet.</p>
GreenActionValue	Green Action Value	N/A	Unsigned integer.	<p>When GreenActionType is 1, 10 or 19, GreenActionValue is invisible.</p> <p>When GreenActionType is 6 or 7, GreenActionValue is 0~1.</p> <p>When GreenActionType is 2, GreenActionValue is 0~63.</p> <p>When GreenActionType is 3, 4, 5, 8, GreenActionValue is 0~7.</p>
YellowAction	Specify behavior for yellow packets	Data structure	<p>Members include:</p> <ul style="list-style-type: none"> • YellowActionType. • YellowActionValue. 	
YellowActionType	Yellow Action Type	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> • 1—pass. • 2—remark-dscp-pass. • 3—remark-prec-pass. • 4—remark-mpls-exp-pass. • 5—remark-dot1p-pass. • 6—remark-atm-clp-pass. • 7—remark-frde-pass. • 8—remark-local-prec-pass. • 10—discard. • 19—continue. 	<p>When YellowActionType is 1, send the packet.</p> <p>When YellowActionType is 2, remark DSCP value of the packet and send it.</p> <p>When YellowActionType is 3, remark IP precedence of the packet and send it.</p> <p>When YellowActionType is 4, remark EXP of the MPLS packet and send it.</p> <p>When YellowActionType is 5, remark 802.1p priority value of the packet and send it.</p> <p>When YellowActionType is 6, remark CLP bit</p>

Column name	Column description	Column type	Data type and restrictions	Remarks
				<p>of the ATM packet and send it.</p> <p>When YellowActionType is 7, remark DE bit of the FR packet and send it.</p> <p>When YellowActionType is 8, remark local precedence of the packet and send it.</p> <p>When YellowActionType is 10, drop the packet.</p> <p>When GreenActionType is 19, continue to process the packet.</p>
YellowActionValue	Yellow Action Value	N/A	Unsigned integer.	<p>When YellowActionType is 1, 10 or 19, YellowActionValue is invisible.</p> <p>When YellowActionType is 6 or 7, YellowActionValue is 0~1.</p> <p>When YellowActionType is 2, YellowActionValue is 0~63.</p> <p>When YellowActionType is 3, 4, 5, 8, YellowActionValue is 0~7.</p>
RedAction	Specify behavior for red packets	Data structure	<p>Members include:</p> <ul style="list-style-type: none"> RedActionType. RedActionValue. 	
RedActionType	Red Action Type	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> 1—pass. 2—remark-dscp-pass. 3—remark-prec-pass. 4—remark-mpls-exp-pass. 5—remark-dot1p-pass. 6—remark-atm-clp-pass. 7—remark-frde-pass. 8—remark-local-prec-pass. 10—discard. 19—continue. 	<p>When RedActionType is 1, send the packet.</p> <p>When RedActionType is 2, remark DSCP value of the packet and send it.</p> <p>When RedActionType is 3, remark IP precedence of the packet and send it.</p> <p>When RedActionType is 4, remark EXP of the MPLS packet and send it.</p> <p>When RedActionType is 5, remark 802.1p priority value of the packet and send it.</p> <p>When RedActionType</p>

Column name	Column description	Column type	Data type and restrictions	Remarks
				<p>is 6, remark CLP bit of the ATM packet and send it.</p> <p>When RedActionType is 7, remark DE bit of the FR packet and send it.</p> <p>When RedActionType is 8, remark local precedence of the packet and send it.</p> <p>When RedActionType is 10, drop the packet.</p> <p>When GreenActionType is 19, continue to process the packet.</p>
RedActionValue	Red Action Value	N/A	Unsigned integer.	<p>When RedActionType is 1, 10 or 19, RedActionValue is invisible.</p> <p>When RedActionType is 6 or 7, RedActionValue is 0~1.</p> <p>When RedActionType is 2, RedActionValue is 0~63.</p> <p>When RedActionType is 3, 4, 5, 8, RedActionValue is 0~7.</p>
GreenPkts	Number of green packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
GreenBytes	Bytes of green packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
YellowPkts	Number of yellow packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
YellowBytes	Bytes of yellow packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
RedPkts	Number of red packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
RedBytes	Bytes of red packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

MQC/IfPolicyAF

This table contains running information about assured-forwarding queue.

XML structure

```
<MQC>
  <IfPolicyAF>
    <Interface>
      <IfIndex></IfIndex>
      <ClassName></ClassName>
      <Kbps></Kbps>
      <Bps></Bps>
      <RemainingPct></RemainingPct>
      <MatchedPackets></MatchedPackets>
      <MatchedBytes></MatchedBytes>
      <EnqueuedPackets></EnqueuedPackets>
      <EnqueuedBytes></EnqueuedBytes>
      <DiscardedPackets></DiscardedPackets>
      <DiscardedBytes></DiscardedBytes>
    </Interface>
  </IfPolicyAF>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	IfPolicyAF
Table type	Multi-instance table
Row name	Interface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface Index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
Kbps	Bandwidth value in kbps	N/A	Unsigned integer. Value range: 8 to 10,000,000.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Bps	Bandwidth value in bps	N/A	Unsigned integer. Value range: 8 to 1,000.	N/A
RemainingPct	Percentage of remaining bandwidth.	N/A	Unsigned integer. Value range: 1 to 100.	N/A
MatchedPackets	Matched Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
MatchedBytes	Matched Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
EnqueuedPackets	Enqueued Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
EnqueuedBytes	Enqueued Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
DiscardedPackets	Discarded Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
DiscardedBytes	Discarded Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

MQC/IfPolicyEF

This table contains running information about expedited-forwarding queue.

XML structure

```

<MQC>
  <IfPolicyEF>
    <Interface>
      <IfIndex></IfIndex>
      <ClassName></ClassName>
      <Kbps></Kbps>
      <CBS></CBS>
      <MatchedPackets></MatchedPackets>
      <MatchedBytes></MatchedBytes>
      <EnqueuedPackets></EnqueuedPackets>
      <EnqueuedBytes></EnqueuedBytes>
      <DiscardedPackets></DiscardedPackets>
      <DiscardedBytes></DiscardedBytes>
    </Interface>
  </IfPolicyEF>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	IfPolicyEF
Table type	Multi-instance table
Row name	Interface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
Kbps	Bandwidth value in kbps	N/A	Unsigned integer. Value range: 8 to 10,000,000.	N/A
CBS	Committed Burst Size	N/A	Unsigned integer. Value range: 32 to 1,000,000,000.	N/A
MatchedPackets	Matched Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
MatchedBytes	Matched Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
EnqueuedPackets	Enqueued Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
EnqueuedBytes	Enqueued Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
DiscardedPackets	Discarded Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
DiscardedBytes	Discarded Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

MQC/IfPolicyWFQ

This table contains running information about weighted fair queue.

XML structure

```

<MQC>
  <IfPolicyWFQ>
    <Interface>
      <IfIndex></IfIndex>
      <ClassName></ClassName>
      <QueueNum></QueueNum>
      <MatchedPackets></MatchedPackets>
      <MatchedBytes></MatchedBytes>
      <EnqueuedPackets></EnqueuedPackets>
      <EnqueuedBytes></EnqueuedBytes>
      <DiscardedPackets></DiscardedPackets>
      <DiscardedBytes></DiscardedBytes>
    </Interface>
  </IfPolicyWFQ>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	IfPolicyWFQ
Table type	Multi-instance table
Row name	Interface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface Index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see

Column name	Column description	Column type	Data type and restrictions	Remarks
				"Appendix" in Ifmgr NETCONF XML API Configuration Reference.
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
QueueNum	Total queue number	N/A	Unsigned integer. Value range: 16 to 4096.	N/A
MatchedPackets	Matched Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
MatchedBytes	Matched Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
EnqueuedPackets	Enqueued Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
EnqueuedBytes	Enqueued Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
DiscardedPackets	Discarded Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
DiscardedBytes	Discarded Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

MQC/IfPolicyEnhance

This table contains information about QoS policies applied to interfaces in enhanced mode.

XML structure

```

<MQC>
  <IfPolicyEnhance>
    <Application>
      <IfIndex></IfIndex>
      <Direction></Direction>
      <PolicyName></PolicyName>
      <Status></Status>
    </Application>
  </IfPolicyEnhance>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	IfPolicyEnhance

Item	Description
Table type	Multi-instance table
Row name	Application
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none"> 0—Inbound. 1—Outbound. 	N/A
PolicyName	Policy name	N/A	String. Length: 1 to 31 characters.	N/A
Status	Application status	N/A	Enumeration: <ul style="list-style-type: none"> 1—Succeeded. 2—Failed. 3—Succeeded partly. 	If some class-behavior associations in the policy are applied successfully but some are not, the value of this column is 3.

MQC/IfPolicyEnhanceCBMap

This table contains information about class-behavior associations running information applied to interfaces in enhanced mode.

XML structure

```

<MQC>
  <IfPolicyEnhanceCBMap>
    <Interface>
      <IfIndex></IfIndex>
    </Interface>
  </IfPolicyEnhanceCBMap>
</MQC>

```

```

    <Direction></Direction>
    <ClassName></ClassName>
    <BehaviorName></BehaviorName>
    <Mode></Mode>
    <Status></Status>
  </Interface>
</IfPolicyEnhanceCMap>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	IfPolicyEnhanceCMap
Table type	Multi-instance table
Row name	Interface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none"> 0—Inbound. 1—Outbound. 	N/A
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
BehaviorName	Behavior name	N/A	String. Length: 1 to 31 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Mode	Mode of the class-behavior association	N/A	Enumeration: <ul style="list-style-type: none"> • 0—None. • 2—Qppb. • 16—Dcbx. 	When the Mode column is 0, there is no restriction on the classifier-behavior or association. When the Mode column is 2, the classifier-behavior or association applies only to QPPB. When the Mode column is 16, the classifier-behavior or association applies only to the Data Center Bridging Exchange Protocol (DCBX).
Status	Class-Behavior association application status	N/A	Enumeration: <ul style="list-style-type: none"> • 1—Succeeded. • 2—Failed. 	N/A

MQC/GlobalPolicyEnhance

This table contains information about global QoS policies in enhanced mode.

XML structure

```

<MQC>
  <GlobalPolicyEnhance>
    <Application>
      <Direction></Direction>
      <PolicyName></PolicyName>
      <Status></Status>
    </Application>
  </GlobalPolicyEnhance>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	GlobalPolicyEnhance
Table type	Multi-instance table

Item	Description
Row name	Application
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none"> 0—Inbound. 1—Outbound. 	N/A
PolicyName	Policy name	N/A	String. Length: 1 to 31 characters.	N/A
Status	Application status	N/A	Enumeration: <ul style="list-style-type: none"> 1—Succeeded. 2—Failed. 3—Succeeded partly. 	If some class-behavior associations in the policy are applied successfully but some are not, the value of this column is 3 .

MQC/GlobalPolicyEnhanceCBMap

This table contains information about class-behavior associations running information applied to global in enhanced mode.

XML structure

```

<MQC>
  <GlobalPolicyEnhanceCBMap>
    <Global>
      <Direction></Direction>
      <ClassName></ClassName>
      <BehaviorName></BehaviorName>
      <Mode></Mode>
      <Status></Status>
    </Global>
  </GlobalPolicyEnhanceCBMap>
</MQC>

```

Table description

Item	Description
Feature name	MQC

Item	Description
Table name	GlobalPolicyEnhanceCBMap
Table type	Multi-instance table
Row name	Global
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none"> 0—Inbound. 1—Outbound. 	N/A
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
BehaviorName	Behavior name	N/A	String. Length: 1 to 31 characters.	N/A
Mode	Mode of the class-behavior association	N/A	Enumeration: <ul style="list-style-type: none"> 0—None. 2—Qppb. 16—Dcbx. 	When the Mode column is 0, there is no restriction on the classifier-behavior or association. When the Mode column is 2, the classifier-behavior or association applies only to QPPB. When the Mode column is 16, the classifier-behavior or association applies only to the Data Center Bridging Exchange Protocol (DCBX).
Status	Class-Behavior association application status	N/A	Enumeration: <ul style="list-style-type: none"> 1—Succeeded. 2—Failed. 	N/A

MQC/Account

This table contains information about accounting action.

XML structure

```
<MQC>
  <Account>
    <Action>
      <BehaviorName></BehaviorName>
      <Byte></Byte>
      <Packet></Packet>
    </Action>
  </Account>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	Account
Table type	Multi-instance table
Row name	Action
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
BehaviorName	Traffic behavior name	Index	String. Length: 1 to 31 characters.	N/A
Byte	Accounting in bytes	N/A	Boolean: <ul style="list-style-type: none">true—Conform.false—Not conform.	N/A
Packet	Accounting in packets	N/A	Boolean: <ul style="list-style-type: none">true—Conform.false—Not conform.	N/A

MQC/IfPolicyAccount

This table contains information about accounting running information applied to interfaces.

XML structure

```
<MQC>
  <IfPolicyAccount>
    <Interface>
      <IfIndex></IfIndex>
    </Interface>
  </IfPolicyAccount>
</MQC>
```

```

    <Direction></Direction>
    <ClassName></ClassName>
    <Packets></Packets>
    <Bytes></Bytes>
    <pps></pps>
    <bps></bps>
  </Interface>
</IfPolicyAccount>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	IfPolicyAccount
Table type	Multi-instance table
Row name	Interface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none"> 0—Inbound. 1—Outbound. 	N/A
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
Packets	Accounting Packets	N/A	Unsigned integer. Value range: 0 to 2 ⁶⁴ - 1.	N/A
Bytes	Accounting Bytes	N/A	Unsigned integer. Value range: 0 to 2 ⁶⁴ - 1.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
pps	Accounting packets per second	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
bps	Accounting bits per second	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

MQC/VLANPolicyCar

This table contains information about car associations running information applied to VLANs.

XML structure

```

<MQC>
  <VLANPolicyCar>
    <VLAN>
      <VLANID></VLANID>
      <Direction></Direction>
      <ClassName></ClassName>
      <CIR></CIR>
      <CBS></CBS>
      <EBS></EBS>
      <PIR></PIR>
      <GreenAction>
        <GreenActionType></GreenActionType>
        <GreenActionValue></GreenActionValue>
      </GreenAction>
      <YellowAction>
        <YellowActionType></YellowActionType>
        <YellowActionValue></YellowActionValue>
      </YellowAction>
      <RedAction>
        <RedActionType></RedActionType>
        <RedActionValue></RedActionValue>
      </RedAction>
      <GreenPkts></GreenPkts>
      <GreenBytes></GreenBytes>
      <YellowPkts></YellowPkts>
      <YellowBytes></YellowBytes>
      <RedPkts></RedPkts>
      <RedBytes></RedBytes>
    </VLAN>
  </VLANPolicyCar>
</MQC>

```


Table description

Item	Description
Feature name	MQC
Table name	VLANPolicyCar
Table type	Multi-instance table
Row name	VLAN
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VLANID	VLAN ID	Index	Unsigned integer. Value range: 1 to 4094.	N/A
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none"> 0—Inbound. 1—Outbound. 	N/A
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
CIR	Committed information rate	N/A	Unsigned integer.	N/A
CBS	Committed burst size	N/A	Unsigned integer.	N/A
EBS	Excess burst size	N/A	Unsigned integer.	N/A
PIR	Peak information rate	N/A	Unsigned integer.	N/A
GreenAction	Specify behavior for green packets	Data structure	Members include: <ul style="list-style-type: none"> GreenActionType. GreenActionValue. 	
GreenActionType	Green Action Type	N/A	Enumeration: <ul style="list-style-type: none"> 1—pass. 2—remark-dscp-pass. 3—remark-prec-pass. 4—remark-mpls-exp-pass. 5—remark-dot1p-pass. 6—remark-atm-clp-pass. 7—remark-frde-pass. 8—remark-local-prec-pass. 10—discard. 19—continue. 	<p>When GreenActionType is 1, send the packet.</p> <p>When GreenActionType is 2, remark DSCP value of the packet and send it.</p> <p>When GreenActionType is 3, remark IP precedence of the packet and send it.</p> <p>When GreenActionType is 4, remark EXP of the MPLS packet and send it.</p> <p>When GreenActionType</p>

Column name	Column description	Column type	Data type and restrictions	Remarks
				<p>pe is 5, remark 802.1p priority value of the packet and send it.</p> <p>When GreenActionType pe is 6, remark CLP bit of the ATM packet and send it.</p> <p>When GreenActionType pe is 7, remark DE bit of the FR packet and send it.</p> <p>When GreenActionType pe is 8, remark local precedence of the packet and send it.</p> <p>When GreenActionType pe is 10, drop the packet.</p> <p>When GreenActionType is 19, continue to process the packet.</p>
GreenActionValue	Green Action Value	N/A	Unsigned integer.	<p>When GreenActionType pe is 1, 10 or 19, GreenActionValue is invisible.</p> <p>When GreenActionType pe is 6 or 7, GreenActionValue is 0~1.</p> <p>When GreenActionType pe is 2, GreenActionValue is 0~63.</p> <p>When GreenActionType pe is 3, 4, 5, 8, GreenActionValue is 0~7.</p>
YellowAction	Specify behavior for yellow packets	Data structure	<p>Members include:</p> <ul style="list-style-type: none"> YellowActionType. YellowActionValue. 	
YellowActionType	Yellow Action Type	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> 1—pass. 2—remark-dscp-pass. 3—remark-prec-pass. 4—remark-mpls-exp-pass. 5—remark-dot1p-pass. 6—remark-atm-clp-pass. 7—remark-frde-pass. 8—remark-local-prec-pass. 10—discard. 19—continue. 	<p>When YellowActionType pe is 1, send the packet.</p> <p>When YellowActionType pe is 2, remark DSCP value of the packet and send it.</p> <p>When YellowActionType pe is 3, remark IP precedence of the packet and send it.</p> <p>When YellowActionType pe is 4, remark EXP of the MPLS packet and</p>

Column name	Column description	Column type	Data type and restrictions	Remarks
				<p>send it.</p> <p>When YellowActionType is 5, remark 802.1p priority value of the packet and send it.</p> <p>When YellowActionType is 6, remark CLP bit of the ATM packet and send it.</p> <p>When YellowActionType is 7, remark DE bit of the FR packet and send it.</p> <p>When YellowActionType is 8, remark local precedence of the packet and send it.</p> <p>When YellowActionType is 10, drop the packet.</p> <p>When GreenActionType is 19, continue to process the packet.</p>
YellowActionValue	Yellow Action Value	N/A	Unsigned integer.	<p>When YellowActionType is 1, 10 or 19, YellowActionValue is invisible.</p> <p>When YellowActionType is 6 or 7, YellowActionValue is 0~1.</p> <p>When YellowActionType is 2, YellowActionValue is 0~63.</p> <p>When YellowActionType is 3, 4, 5, 8, YellowActionValue is 0~7.</p>
RedAction	Specify behavior for red packets	Data structure	<p>Members include:</p> <ul style="list-style-type: none"> • RedActionType. • RedActionValue. 	
RedActionType	Red Action Type	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> • 1—pass. • 2—remark-dscp-pass. • 3—remark-prec-pass. • 4—remark-mpls-exp-pass. • 5—remark-dot1p-pass. • 6—remark-atm-clp-pass. • 7—remark-frde-pass. • 8—remark-local-prec-pass. 	<p>When RedActionType is 1, send the packet.</p> <p>When RedActionType is 2, remark DSCP value of the packet and send it.</p> <p>When RedActionType is 3, remark IP precedence of the packet and send it.</p> <p>When RedActionType is 4, remark EXP of the</p>

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 10—discard. 19—continue. 	<p>MPLS packet and send it.</p> <p>When RedActionType is 5, remark 802.1p priority value of the packet and send it.</p> <p>When RedActionType is 6, remark CLP bit of the ATM packet and send it.</p> <p>When RedActionType is 7, remark DE bit of the FR packet and send it.</p> <p>When RedActionType is 8, remark local precedence of the packet and send it.</p> <p>When RedActionType is 10, drop the packet.</p> <p>When GreenActionType is 19, continue to process the packet.</p>
RedActionValue	Red Action Value	N/A	Unsigned integer.	<p>When RedActionType is 1, 10 or 19, RedActionValue is invisible.</p> <p>When RedActionType is 6 or 7, RedActionValue is 0~1.</p> <p>When RedActionType is 2, RedActionValue is 0~63.</p> <p>When RedActionType is 3, 4, 5, 8, RedActionValue is 0~7.</p>
GreenPkts	Number of green packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
GreenBytes	Bytes of green packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
YellowPkts	Number of yellow packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
YellowBytes	Bytes of yellow packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
RedPkts	Number of red packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
RedBytes	Bytes of red packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

MQC/VLANPolicyAccount

This table contains information about accounting running information applied to VLANs.

XML structure

```
<MQC>
  <VLANPolicyAccount>
    <VLAN>
      <VLANID></VLANID>
      <Direction></Direction>
      <ClassName></ClassName>
      <Packets></Packets>
      <Bytes></Bytes>
      <pps></pps>
      <bps></bps>
    </VLAN>
  </VLANPolicyAccount>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	VLANPolicyAccount
Table type	Multi-instance table
Row name	VLAN
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VALNID	VLAN ID	Index	Unsigned integer. Value range: 1 to 4094.	N/A
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none">• 0—Inbound.• 1—Outbound.	N/A
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
Packets	Accounting Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
Bytes	Accounting Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
pps	Accounting packets per second	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
bps	Accounting bits per second	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

MQC/GlobalPolicyCar

This table contains information about car associations running information applied to global.

XML structure

```

<MQC>
  <GlobalPolicyCar>
    <Global>
      <Direction></Direction>
      <ClassName></ClassName>
      <CIR></CIR>
      <CBS></CBS>
      <EBS></EBS>
      <PIR></PIR>
      <GreenAction>
        <GreenActionType></GreenActionType>
        <GreenActionValue></GreenActionValue>
      </GreenAction>
      <YellowAction>
        <YellowActionType></YellowActionType>
        <YellowActionValue></YellowActionValue>
      </YellowAction>
      <RedAction>
        <RedActionType></RedActionType>
        <RedActionValue></RedActionValue>
      </RedAction>
      <GreenPkts></GreenPkts>
      <GreenBytes></GreenBytes>
      <YellowPkts></YellowPkts>
      <YellowBytes></YellowBytes>
      <RedPkts></RedPkts>
      <RedBytes></RedBytes>
    </Global>
  </GlobalPolicyCar>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	GlobalPolicyCar
Table type	Multi-instance table
Row name	Global
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none"> 0—Inbound. 1—Outbound. 	N/A
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
CIR	Committed information rate	N/A	Unsigned integer.	N/A
CBS	Committed burst size	N/A	Unsigned integer.	N/A
EBS	Excess burst size	N/A	Unsigned integer.	N/A
PIR	Peak information rate	N/A	Unsigned integer.	N/A
GreenAction	Specify behavior for green packets	Data structure	Members include: <ul style="list-style-type: none"> GreenActionType. GreenActionValue. 	
GreenActionType	Green Action Type	N/A	Enumeration: <ul style="list-style-type: none"> 1—pass. 2—remark-dscp-pass. 3—remark-prec-pass. 4—remark-mpls-exp-pass. 5—remark-dot1p-pass. 6—remark-atm-clp-pass. 7—remark-frde-pass. 8—remark-local-prec-pass. 10—discard. 19—continue. 	<p>When GreenActionType is 1, send the packet.</p> <p>When GreenActionType is 2, remark DSCP value of the packet and send it.</p> <p>When GreenActionType is 3, remark IP precedence of the packet and send it.</p> <p>When GreenActionType is 4, remark EXP of the MPLS packet and send it.</p> <p>When GreenActionType is 5, remark 802.1p priority value of the packet and send it.</p>

Column name	Column description	Column type	Data type and restrictions	Remarks
				<p>When GreenActionType is 6, remark CLP bit of the ATM packet and send it.</p> <p>When GreenActionType is 7, remark DE bit of the FR packet and send it.</p> <p>When GreenActionType is 8, remark local precedence of the packet and send it.</p> <p>When GreenActionType is 10, drop the packet.</p> <p>When GreenActionType is 19, continue to process the packet.</p>
GreenActionValue	Green Action Value	N/A	Unsigned integer.	<p>When GreenActionType is 1, 10 or 19, GreenActionValue is invisible.</p> <p>When GreenActionType is 6 or 7, GreenActionValue is 0~1.</p> <p>When GreenActionType is 2, GreenActionValue is 0~63.</p> <p>When GreenActionType is 3, 4, 5, 8, GreenActionValue is 0~7.</p>
YellowAction	Specify behavior for yellow packets	Data structure	<p>Members include:</p> <ul style="list-style-type: none"> • YellowActionType. • YellowActionValue. 	
YellowActionType	Yellow Action Type	N/A	<p>Enumeration:</p> <ul style="list-style-type: none"> • 1—pass. • 2—remark-dscp-pass. • 3—remark-prec-pass. • 4—remark-mpls-exp-pass. • 5—remark-dot1p-pass. • 6—remark-atm-clp-pass. • 7—remark-frde-pass. • 8—remark-local-prec-pass. • 10—discard. • 19—continue. 	<p>When YellowActionType is 1, send the packet.</p> <p>When YellowActionType is 2, remark DSCP value of the packet and send it.</p> <p>When YellowActionType is 3, remark IP precedence of the packet and send it.</p> <p>When YellowActionType is 4, remark EXP of the MPLS packet and send it.</p> <p>When YellowActionType is 5, remark 802.1p</p>

Column name	Column description	Column type	Data type and restrictions	Remarks
				<p>priority value of the packet and send it.</p> <p>When YellowActionType is 6, remark CLP bit of the ATM packet and send it.</p> <p>When YellowActionType is 7, remark DE bit of the FR packet and send it.</p> <p>When YellowActionType is 8, remark local precedence of the packet and send it.</p> <p>When YellowActionType is 10, drop the packet.</p> <p>When GreenActionType is 19, continue to process the packet.</p>
YellowActionValue	Yellow Action Value	N/A	Unsigned integer.	<p>When YellowActionType is 1, 10 or 19, YellowActionValue is invisible.</p> <p>When YellowActionType is 6 or 7, YellowActionValue is 0~1.</p> <p>When YellowActionType is 2, YellowActionValue is 0~63.</p> <p>When YellowActionType is 3, 4, 5, 8, YellowActionValue is 0~7.</p>
RedAction	Specify behavior for red packets	Data structure	Members include: <ul style="list-style-type: none"> • RedActionType. • RedActionValue. 	
RedActionType	Red Action Type	N/A	Enumeration: <ul style="list-style-type: none"> • 1—pass. • 2—remark-dscp-pass. • 3—remark-prec-pass. • 4—remark-mpls-exp-pass. • 5—remark-dot1p-pass. • 6—remark-atm-clp-pass. • 7—remark-frde-pass. • 8—remark-local-prec-pass. • 10—discard. • 19—continue. 	<p>When RedActionType is 1, send the packet.</p> <p>When RedActionType is 2, remark DSCP value of the packet and send it.</p> <p>When RedActionType is 3, remark IP precedence of the packet and send it.</p> <p>When RedActionType is 4, remark EXP of the MPLS packet and send it.</p> <p>When RedActionType</p>

Column name	Column description	Column type	Data type and restrictions	Remarks
				<p>is 5, remark 802.1p priority value of the packet and send it.</p> <p>When RedActionType is 6, remark CLP bit of the ATM packet and send it.</p> <p>When RedActionType is 7, remark DE bit of the FR packet and send it.</p> <p>When RedActionType is 8, remark local precedence of the packet and send it.</p> <p>When RedActionType is 10, drop the packet.</p> <p>When GreenActionType is 19, continue to process the packet.</p>
RedActionValue	Red Action Value	N/A	Unsigned integer.	<p>When RedActionType is 1, 10 or 19, RedActionValue is invisible.</p> <p>When RedActionType is 6 or 7, RedActionValue is 0~1.</p> <p>When RedActionType is 2, RedActionValue is 0~63.</p> <p>When RedActionType is 3, 4, 5, 8, RedActionValue is 0~7.</p>
GreenPkts	Number of green packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
GreenBytes	Bytes of green packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
YellowPkts	Number of yellow packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
YellowBytes	Bytes of yellow packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
RedPkts	Number of red packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
RedBytes	Bytes of red packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

MQC/GlobalPolicyAccount

This table contains information about accounting running information applied to global.

XML structure

```
<MQC>
  <GlobalPolicyAccount>
    <Global>
      <Direction></Direction>
      <ClassName></ClassName>
      <Packets></Packets>
      <Bytes></Bytes>
      <pps></pps>
      <bps></bps>
    </Global>
  </GlobalPolicyAccount>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	GlobalPolicyAccount
Table type	Multi-instance table
Row name	Global
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none">• 0—Inbound.• 1—Outbound.	N/A
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
Packets	Accounting Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
Bytes	Accounting Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
pps	Accounting packets per second	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
bps	Accounting bits per second	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

MQC/Capability

This table contains MQC capability information, and it is used to obtain MQC direction parameters.

XML structure

```

<MQC>
  <Capability>
    <MQCIfType></MQCIfType>
    <MQCVlanType></MQCVlanType>
    <MQCGlobalType></MQCGlobalType>
  </Capability>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	Capability
Table type	Single-instance table
Row name	N/A
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
MQCIfType	MQC interface type	N/A	Enumeration: <ul style="list-style-type: none"> 1—Inbound. 2—Outbound. 3—Both. 	N/A
MQCVlanType	MQC VLAN type	N/A	Enumeration: <ul style="list-style-type: none"> 1—Inbound. 2—Outbound. 3—Both. 	N/A
MQCGlobalType	MQC global type	N/A	Enumeration: <ul style="list-style-type: none"> 1—Inbound. 2—Outbound. 3—Both. 	N/A

MQC/PostClassify

This table contains information about processing QoS after other modules running information applied to the outbound direction of an interfaces.

XML structure

```
<MQC>
  <PostClassify>
    <Application>
      <IfIndex></IfIndex>
      <enable></enable>
    </Application>
  </PostClassify>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	PostClassify
Table type	Multi-instance table
Row name	Application
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
enable	Enable	Column	Boolean <ul style="list-style-type: none">true—Conform.false—Not conform.	N/A

MQC/Capabilities

This table contains capability information about the MQC module.

XML structure

```
<MQC>
  <Capabilities>
    <InterfacePolicy></InterfacePolicy>
    <GlobalPolicy></GlobalPolicy>
    <VlanPolicy></VlanPolicy>
    <RemarkAction></RemarkAction>
    <HardwareAccount></HardwareAccount>
    <MirrorInterface></MirrorInterface>
    <MirrorCPU></MirrorCPU>
    <RedirectInterface></RedirectInterface>
    <RedirectCPU></RedirectCPU>
  </Capabilities>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	Capabilities
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
InterfacePolicy	Interface policy	N/A	Unsigned integer	If one of the last 5 bits of this object is set to 1, it indicates that the interface policy is supported: <ul style="list-style-type: none">bit 0 stands for inbound.bit 1 stands for outbound.bit 2 stands for enhanced.bit 3 stands for extension.bit 4 stands for share mode.
GlobalPolicy	Global policy	N/A	Unsigned integer	If one of the last 5 bits of this object is set to 1, it indicates that the global policy is supported: <ul style="list-style-type: none">bit 0 stands for inbound.bit 1 stands for outbound.

Column name	Column description	Column type	Data type and restrictions	Remarks
				<ul style="list-style-type: none"> bit 2 stands for enhanced. bit 3 stands for extension. bit 4 stands for share mode.
VlanPolicy	VLAN policy	N/A	Unsigned integer	<p>If one of the last 5 bits of this object is set to 1, it indicates that the VLAN policy is supported:</p> <ul style="list-style-type: none"> bit 0 stands for inbound. bit 1 stands for outbound. bit 2 stands for enhanced. bit 3 stands for extension. bit 4 stands for share mode.
RemarkAction	Remark action	N/A	Unsigned integer	<p>If one of the last 18 bits of this object is set to 1, it indicates that the remark action is supported:</p> <ul style="list-style-type: none"> bit 0 stands for DSCP. bit 1 stands for IP precedence. bit 2 stands for MPLS-EXP. bit 3 stands for dot1p. bit 4 stands for local QoS ID. bit 5 stands for local precedence. bit 6 stands for drop precedence. bit 7 stands for customer VLAN ID. bit 8 stands for service VLAN ID. bit 9 stands for customer dot1p trust. bit 10 stands for imposition-mpls-exp. bit 11 stands for FC. bit 12 stands for atm-clp. bit 13 stands for fr-de. bit 14 stands for second-mpls-exp. bit 15 stands for account level. bit 16 stands for service class. bit 17 stands for tunnel dscp.
HardwareAccount	Hardware accounting	N/A	Unsigned integer	<p>0 indicates that the accounting action is supported.</p> <p>1 indicates that accounting by the default method is supported.</p> <p>2 indicates that accounting by one method of packet and byte is supported.</p> <p>3 indicates that accounting by neither method or one of packet and byte is supported.</p> <p>4 indicates that accounting by</p>

Column name	Column description	Column type	Data type and restrictions	Remarks
				neither method or one or two of packet and byte is supported.
MirrorInterface	Mirror traffic to interface	N/A	Unsigned integer	<p>If one of the last 23 bits of this object is set to 1, it indicates that mirroring traffic to an interface of the specified type is supported:</p> <ul style="list-style-type: none"> bit 0 stands for I2ethernet. bit 1 stands for I2ge. bit 2 stands for I2xge. bit 3 stands for I2fge. bit 4 stands for I2hge. bit 5 stands for I3ethernet. bit 6 stands for I3ge. bit 7 stands for I3xge. bit 8 stands for I3fge. bit 9 stands for I3hge. bit 10 stands for tunnel. bit 11 stands for ragg. bit 12 stands for bagg. bit 13 stands for I2tge. bit 14 stands for I3tge. bit 15 stands for blade. bit 16 stands for blagg. bit 17 stands for olt. bit 18 stands for I2wge. bit 19 stands for I3wge. bit 20 stands for I2sge. bit 21 stands for I3sge. bit 22 stands for loopback.
MirrorCPU	Mirror traffic to CPU	N/A	Unsigned integer: <ul style="list-style-type: none"> 0—Not supported. 1—Supported. 	N/A
RedirectInterface	Redirect traffic to interface	N/A	Unsigned integer	<p>If one of the last 23 bits of this object is set to 1, it indicates that redirecting traffic to an interface of the specified type is supported,</p> <ul style="list-style-type: none"> bit 0 stands for I2ethernet. bit 1 stands for I2ge. bit 2 stands for I2xge. bit 3 stands for I2fge. bit 4 stands for I2hge. bit 5 stands for I3ethernet. bit 6 stands for I3ge. bit 7 stands for I3xge. bit 8 stands for I3fge. bit 9 stands for I3hge. bit 10 stands for tunnel. bit 11 stands for ragg. bit 12 stands for bagg.

Column name	Column description	Column type	Data type and restrictions	Remarks
				<ul style="list-style-type: none"> • bit 13 stands for l2tge. • bit 14 stands for l3tge. • bit 15 stands for blade. • bit 16 stands for blagg. • bit 17 stands for olt. • bit 18 stands for l2wge. • bit 19 stands for l3wge. • bit 20 stands for l2sge. • bit 21 stands for l3sge. • bit 22 stands for loopback.
RedirectCPU	Redirect traffic to CPU	N/A	Unsigned integer: <ul style="list-style-type: none"> • 0—Not supported. • 1—Supported. 	N/A

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ND

ND/NDTable

This table contains information about neighbor entries.

XML structure

```
<ND>
  <NDTable>
    <NDEntry>
      <IfIndex></IfIndex>
      <Ipv6Address></Ipv6Address>
      <MacAddress></MacAddress>
      <VLANID></VLANID>
      <PortIndex></PortIndex>
      <VrfIndex></VrfIndex>
    </NDEntry>
  </NDTable>
</ND>
```

Table description

Item	Description
Feature name	ND
Table name	NDTable
Table type	Multi-instance table
Row name	NDEntry
Restrictions	This table supports only Layer 3 interfaces.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Only Layer 3 interfaces are supported. If the specified interface is a VLAN interface, the VLAN ID corresponding to the interface must be consistent with the value of the VLANID column. Some versions support interface name. For

Column name	Column description	Column type	Data type and restrictions	Remarks
				relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in Ifmgr NETCONF XML API Configuration Reference.
Ipv6Address	IPv6 address	Index	Hexadecimal string, colon-separated.	N/A
MacAddress	MAC address	N/A	Six groups of two hexadecimal digits, hyphen-separated.	Required.
VLANID	VLAN ID	N/A	Unsigned integer. Value range: 1 to 4094.	It must be configured together with the PortIndex column.
PortIndex	Port index	N/A	Unsigned integer.	It must be configured together with the VLANID column. The port specified by PortIndex must belong to the VLAN specified by VLANID.
VrfIndex	Index of the VRF	N/A	Unsigned integer.	Some versions support VRF name. For relevant information, see the XSD document of your product. Required. 0 means public network.

ND/NDLearnLimit

This table contains the information of maximum number of dynamic neighbor entries that an interface can learn.

XML structure

```

<ND>
  <NDLearnLimit>
    <LearnLimit>
      <IfIndex></IfIndex>
      <LearnMaxNum></LearnMaxNum>
    </LearnLimit>
  </NDLearnLimit>
</ND>

```

Table description

Item	Description
Feature name	ND
Table name	NDLearnLimit
Table type	Multi-instance table
Row name	LearnLimit
Restrictions	This table supports interface types: Layer 2/Layer 3 interface Layer 2/Layer 3 aggregate interface S-channel interface/S-channel aggregate interface
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface Index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in Ifmgr NETCONF XML API Configuration Reference.
LearnMaximum	The maximum number of dynamic neighbor entries that an interface can learn	N/A	Unsigned integer. Value range: 1 to LearnMaxNumLimit.	The value of LearnMaxNumLimit depends on the device model. The default setting varies with device models.

ND/NDInterface

This table contains neighbor interface information.

XML structure

```
<ND>
  <NDInterface>
    <Interface>
      <IfIndex></IfIndex>
      <DADAttempts></DADAttempts>
      <ModeUNI></ModeUNI>
    </Interface>
```

```
</NDInterface>
</ND>
```

Table description

Item	Description
Feature name	ND
Table name	NDInterface
Table type	Multi-instance table
Row name	Interface
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	N/A Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in Ifmgr NETCONF XML API Configuration Reference.
DADAttempts	The number of attempts to send an NS message for DAD	N/A	Unsigned integer. Value range: 0 to 600. Default: 1.	0 means DAD is disabled. Only Layer 3 interfaces are supported.
ModeUNI	Configure a port as a customer-side port true: Customer-side port false: Network-side port	N/A	Boolean: <ul style="list-style-type: none"> true false (default) 	Whether the ModeUNI is supported depends on the device model. Only VLAN interfaces are supported.

ND/NDConfig

This table contains neighbor configuration information.

XML structure

```
<ND>
  <NDConfig>
    <StaleAging></StaleAging>
    <LinkLocalMinimize></LinkLocalMinimize>
    <HopLimit></HopLimit>
  </NDConfig>
</ND>
```

Table description

Item	Description
Feature name	ND
Table name	NDConfig
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
StaleAging	The aging time for ND entries in stale state	N/A	Unsigned integer. Value range: 1 to 1440 minutes. Default: 240 minutes.	N/A
LinkLocalMinimize	Whether minimize link-local ND entries or not	N/A	Boolean: <ul style="list-style-type: none">• true• false (default)	N/A
HopLimit	The Hop Limit field in the IPv6 header	N/A	Unsigned integer. Value range: 1 to 255. Default: 64.	If the device advertises the hop limit in RA messages, all RA message receivers receiving the RA message fill the value into the Hop Limit field of IPv6 packets to be sent.

ND/NDRA

This table contains information about neighbor RA.

XML structure

```
<ND>
  <NDRA>
    <RA>
      <IfIndex></IfIndex>
      <RAHalt></RAHalt>
      <MaxInterval></MaxInterval>
      <MinInterval></MinInterval>
      <NoAdvLinkMTU></NoAdvLinkMTU>
      <HopLimitUnspecified></HopLimitUnspecified>
      <ManagedAddressFlag></ManagedAddressFlag>
      <OtherFlag></OtherFlag>
      <RouterLifetime></RouterLifetime>
      <NSRetransTimer></NSRetransTimer>
      <RouterPreference></RouterPreference>
      <NudReachableTime></NudReachableTime>
    </RA>
  </NDRA>
</ND>
```

Table description

Item	Description
Feature name	ND
Table name	NDRA
Table type	Multi-instance table
Row name	RA
Restrictions	This table supports only Layer 3 interfaces.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Only Layer 3 interfaces are supported. Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in Ifmgr NETCONF XML API Configuration Reference.

Column name	Column description	Column type	Data type and restrictions	Remarks
RAHalt	Whether suppress an interface from advertising RA message or not	N/A	Boolean: <ul style="list-style-type: none"> • true (default) • false—Disabled. 	N/A
MaxInterval	The maximum interval for advertising RA messages	N/A	Unsigned integer. Value range: 4 to 1800 seconds. Default: 600 seconds.	It must be configured together with the MinInterval column.
MinInterval	The minimum interval for advertising RA messages	N/A	Unsigned integer. Value range: 3 to three-fourths of the MaxInterval. Default: 200 seconds.	It must be configured together with the MaxInterval column.
NoAdvLinkMTU	Whether turn off the MTU option in RA messages or not	N/A	Boolean: <ul style="list-style-type: none"> • true • false (default) 	N/A
HopLimitUnspecified	Whether specify unlimited hops in RA messages or not	N/A	Boolean: <ul style="list-style-type: none"> • true • false (default) 	N/A
ManagedAddressFlag	Whether set the managed address flag to 1 or not	N/A	Boolean: <ul style="list-style-type: none"> • true • false (default) 	N/A
OtherFlag	Whether set the other flag to 1 or not	N/A	Boolean: <ul style="list-style-type: none"> • true • false (default) 	N/A
RouterLifetime	The router lifetime in RA messages	N/A	Unsigned integer. Value range: 0 to 9000 seconds. Default: 1800 seconds.	0 means the router does not serve as the default router
NSRetransTimer	The interval for retransmitting an NS message	N/A	Unsigned integer. Value range: 1000 to 4294967295 milliseconds. Default: 1000 milliseconds.	N/A
RouterPreference	The router preference in RA messages	N/A	Enumeration: <ul style="list-style-type: none"> • 1—High. • 2—Low. • 3—Medium (default). 	N/A
NudReachableTime	The neighbor reachable time on an interface	N/A	Unsigned integer. Value range: 1 to 3600000 milliseconds. Default: 30000 milliseconds.	N/A

ND/NDRAPrefix

This table contains information about neighbor RA prefix.

XML structure

```
<ND>
  <NDRAPrefix>
    <RAPrefix>
      <IfIndex></IfIndex>
      <Ipv6Prefix>
        <Ipv6Address></Ipv6Address>
        <Ipv6PrefixLength></Ipv6PrefixLength>
      </Ipv6Prefix>
      <ValidLifetime></ValidLifetime>
      <PreferredLifetime></PreferredLifetime>
      <NoAutoConfig></NoAutoConfig>
      <OffLink></OffLink>
    </RAPrefix>
  </NDRAPrefix>
</ND>
```

Table description

Item	Description
Feature name	ND
Table name	NDRAPrefix
Table type	Multi-instance table
Row name	RAPrefix
Restrictions	This table supports only Layer 3 interfaces.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Only Layer 3 interfaces are supported. Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in Ifmgr NETCONF XML API Configuration

Column name	Column description	Column type	Data type and restrictions	Remarks
				Reference.
Ipv6Prefix	Ipv6Prefix	Data structure	Members include: <ul style="list-style-type: none"> Ipv6Address Ipv6PrefixLength 	N/A
Ipv6Address	IPv6 address	Index	Hexadecimal string, colon-separated.	It must be configured as valid IPv6 prefix.
Ipv6PrefixLength	Length of the IPv6 prefix	Index	Unsigned integer. Value range: 1 to 128.	N/A
ValidLifetime	The valid lifetime of a prefix	N/A	Unsigned integer. Value range: 0 to 4294967295 seconds.	Required.
PreferredLifetime	The preferred lifetime of a prefix used for stateless autoconfiguration	N/A	Unsigned integer. Value range: 0 to 4294967295 seconds.	Required.
NoAutoConfig	Whether the function of not to be used for stateless autoconfiguration is enabled	N/A	Boolean: <ul style="list-style-type: none"> true false (default) 	N/A
OffLink	Whether the function of the address with the prefix is not directly reachable on the link is enabled	N/A	Boolean: <ul style="list-style-type: none"> true false (default) 	N/A

ND/NDProxy

This table contains information about neighbor proxy.

XML structure

```

<ND>
  <NDProxy>
    <Proxy>
      <IfIndex></IfIndex>
      <ProxyEnable></ProxyEnable>
      <LocalProxyEnable></LocalProxyEnable>
    </Proxy>
  </NDProxy>
</ND>

```

Table description

Item	Description
Feature name	ND
Table name	NDProxy
Table type	Multi-instance table
Row name	Proxy
Restrictions	This table supports interface types: VLAN interface Layer 3 Ethernet interface/ Layer 3 Ethernet subinterface
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in Ifmgr NETCONF XML API Configuration Reference.
ProxyEnable	Whether the function of common ND proxy is enabled	N/A	Boolean: <ul style="list-style-type: none">truefalse (default)	N/A
LocalProxyEnable	Whether the function of local ND proxy is enabled	N/A	Boolean: <ul style="list-style-type: none">truefalse (default)	N/A

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NETSTREAM4

NETSTREAM4/ClearNS4Statistics

This table is used to clear IPv4 NETSTREAM statistics.

XML structure

```
<NETSTREAM4>
  <ClearNS4Statistics>
    <Clear></Clear>
  </ClearNS4Statistics>
</NETSTREAM4>
```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	ClearNS4Statistics
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Clear	Clear IP NETStream statistics	N/A	This column must be empty.	This setting ages out all flows in the cache and export NetStream data.

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NETSTREAM4

NETSTREAM4/NS4Enable

This table contains information about enabling NetStream on an interface.

XML structure

```
<NETSTREAM4>
  <NS4Enable>
    <InterfaceEnable>
      <IfIndex></IfIndex>
      <Enable></Enable>
    </InterfaceEnable>
  </NS4Enable>
</NETSTREAM4>
```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4Enable
Table type	Multi-instance table
Row name	InterfaceEnable
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in <i>Ifmgr NETCONF XML API Configuration Reference</i> .
Enable	Traffic direction	N/A	Enumeration: <ul style="list-style-type: none">• 0—Disable• 1—Enables NetStream for incoming traffic.• 2—Enables NetStream	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			for outgoing traffic. <ul style="list-style-type: none"> 3—Enables NetStream for incoming and outgoing traffic. 	

NETSTREAM4/NS4Sampler

This table contains information about enabling NetStream sampling on an interface.

XML structure

```

<NETSTREAM4>
  <NS4Sampler>
    <InterfaceSampler>
      <IfIndex></IfIndex>
      <Direction></Direction>
      <SamplerName></SamplerName>
    </InterfaceSampler>
  </NS4Sampler>
</NETSTREAM4>

```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4Sampler
Table type	Multi-instance table
Row name	InterfaceSampler
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in <i>Ifmgr NETCONF XML API Configuration Reference</i> .

Column name	Column description	Column type	Data type and restrictions	Remarks
Direction	Traffic direction	Index	Enumeration: <ul style="list-style-type: none"> 1—Incoming traffic. 2—Outgoing traffic. 	N/A
SamplerName	Sampler name	N/A	String, case-insensitive. Length: 1 to 31 characters.	N/A

NETSTREAM4/NS4Filter

This table contains information about enabling NetStream filtering an interface.

XML structure

```

<NETSTREAM4>
  <NS4Filter>
    <InterfaceFilter>
      <IfIndex></IfIndex>
      <Direction></Direction>
      <AclNumber></AclNumber>
    </InterfaceFilter>
  </NS4Filter>
</NETSTREAM4>

```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4Filter
Table type	Multi-instance table
Row name	InterfaceFilter
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex,

Column name	Column description	Column type	Data type and restrictions	Remarks
				see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
Direction	Traffic direction	Index	Enumeration: <ul style="list-style-type: none"> 1—Incoming traffic. 2—Outgoing traffic. 	N/A
AcINumber	IPv4 ACL number	N/A	Unsigned integer. For an IPv4 basic ACL, the value range is 2000 to 2999. For an IPv4 advanced ACL, the value range is 3000 to 3999.	NetStream filtering uses an ACL to identify target packets. If you want to collect data for specific flows, use the ACL permit statements to identify the flows. NetStream collects data only for these flows. If you do not want to collect data for specific flows, use the ACL deny statements to identify the flows. NetStream does not collect data for these flows.

NETSTREAM4/NS4V9RefreshTime

This table contains information about the refresh rate of time for the NetStream version 9 template.

XML structure

```
<NETSTREAM4>
  <NS4V9RefreshTime>
    <Time></Time>
  </NS4V9RefreshTime>
</NETSTREAM4>
```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4V9RefreshTime
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
Time	Interval at which the template is sent	N/A	Unsigned integer. The value range is 1 to 3600 minutes. The default time-based refresh interval is 30 minutes.

NETSTREAM4/NS4V9RefreshPacket

This table contains information about the refresh rate of packet for the NetStream version 9 template.

XML structure

```
<NETSTREAM4>  
  <NS4V9RefreshPacket>  
    <Packet></Packet>  
  </NS4V9RefreshPacket>  
</NETSTREAM4>
```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4V9RefreshPacket
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
Packet	Number of packets that are sent before the template is sent	N/A	Unsigned integer. The value range is 1 to 600. The default packet count-based refresh rate is 20 packets.

NETSTREAM4/NS4Host

This table contains the information about the destination host to which the IPv4 NetStream exports.

XML structure

```
<NETSTREAM4>
  <NS4Host>
    <Host>
      <VrfIndex></VrfIndex>
      <IP></IP>
      <UDPPort></UDPPort>
    </Host>
  </NS4Host>
</NETSTREAM4>
```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4Host
Table type	Multi-instance table
Row name	Host
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VrfIndex	Index of the VRF	Index	Unsigned integer. Value range: 0 to 65535	When vrfIndex is 0, it indicates the host is on public network. This supports name index.
IP	IP address of the host	Index	String, dotted decimal notation.	N/A
UDPPort	UDP port of the host	N/A	Unsigned integer. Value range: 0 to 65535. Default: 0.	N/A

NETSTREAM4/NS4Source

This table contains the information about the source interface for NetStream data to be sent to NetStream servers.

XML structure

```
<NETSTREAM4>
  <NS4Source>
    <IfIndex></IfIndex>
  </NS4Source>
</NETSTREAM4>
```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4Source
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Source interface index	N/A	Unsigned integer.	This supports name index.

NETSTREAM4/NS4ActiveTime

This table contains the information about the aging time of active flows.

XML structure

```
<NETSTREAM4>
  <NS4ActiveTime>
    <ActiveTime></ActiveTime>
  </NS4ActiveTime>
</NETSTREAM4>
```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4ActiveTime
Table type	Single-instance table

Item	Description
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
ActiveTime	Aging time of active flows	N/A	Unsigned integer. Value range: 1 to 60 minutes. Default: 30 minutes.

NETSTREAM4/NS4InActiveTime

This table contains the information about the aging time of inactive flows.

XML structure

```

<NETSTREAM4>
  <NS4InActiveTime>
    <InActiveTime></InActiveTime>
  </NS4InActiveTime>
</NETSTREAM4>

```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4InActiveTime
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
InActiveTime	Aging time of inactive flows	N/A	Unsigned integer. Value range: 10 to 600 seconds. Default: 30 seconds.

NETSTREAM4/NS4MaxEntry

This table contains the information about the upper limit on IPv4 NetStream entries.

XML structure

```
<NETSTREAM4>
  <NS4MaxEntry>
    <MaxEntry></MaxEntry>
    <Action></Action>
  </NS4MaxEntry>
</NETSTREAM4>
```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4MaxEntry
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
MaxEntry	Maximum number of IP NetStream entries can be cached	N/A	Unsigned integer. Default: User-defined value	N/A.
Action	Processing method when the upper limit is reached	N/A	Boolean: <ul style="list-style-type: none">true—Ages out the oldest entries when the upper limit is reached.false (default)—Disables creation of a new entry when the upper limit is reached.	N/A

NETSTREAM4/NS4Version

This table contains information about the version that IPv4 NetStream uses to export data.

XML structure

```
<NETSTREAM4>
  <NS4Version>
    <Version></Version>
    <As></As>
    <Nexthop></Nexthop>
  </NS4Version>
</NETSTREAM4>
```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4MaxEntry
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
Version	Version format	N/A	Enumeration: <ul style="list-style-type: none">59 (default)10
As	Autonomous system	N/A	Enumeration: <ul style="list-style-type: none">0—peer-as (default)1—origin-as
Nexthop	BGP nexthop	N/A	Boolean: <ul style="list-style-type: none">truefalse (default)

NETSTREAM4/NS4Rate

This table contains information about the export rate.

XML structure

```
<NETSTREAM4>
  <NS4Rate>
    <Rate></Rate>
  </NS4Rate>
```

</NETSTREAM4>

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NETSTREAM4Rate
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
Rate	Export rate	N/A	Unsigned integer. Value range: 0 to 1000. Default: 0.

NETSTREAM4/NS4Aging

This table contains information about IPv4 NetStream periodical aging and TCP FIN- and RST-triggered aging.

XML structure

```
<NETSTREAM4>
  <NS4Aging>
    <AgingEnable></AgingEnable>
  </NS4Aging>
</NETSTREAM4>
```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4Aging
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
AgingEnable	Enabling status of periodical aging, TCP FIN and RST-triggered aging.	N/A	Boolean: <ul style="list-style-type: none">true (default).false.

NETSTREAM4/NS4IPSECRawPacket

This table contains information about NetStream for outgoing packets before/after IPsec encapsulation.

XML structure

```
<NETSTREAM4>
  <NS4IPSECRawPacket>
    <IPSECRawPacket>
      <IfIndex></IfIndex>
      <RawPacketEnable></RawPacketEnable>
    </IPSECRawPacket>
  </NS4IPSECRawPacket>
</NETSTREAM4>
```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4IPSECRawPacket
Table type	Single-instance table
Row name	IPSECRawPacket
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration

Column name	Column description	Column type	Data type and restrictions	Remarks
				Reference.
RawPacketEnable	Enabling status of NetStream for outgoing packets before IPsec encapsulation	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled (default). 	By default, NetStream is enabled for outgoing IPsec encapsulated packets.

NETSTREAM4/NS4MPLSCollection

This table contains information about MPLS-aware IPv4 NetStream.

XML structure

```
<NETSTREAM4>
  <NS4MPLSCollection>
    <LabelPosition1></LabelPosition1>
    <LabelPosition2></LabelPosition2>
    <LabelPosition3></LabelPosition3>
    <NoIPFieldsEnable></NoIPFieldsEnable>
  </NS4MPLSCollection>
</NETSTREAM4>
```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4MPLSCollection
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LabelPositions1	Position of the first label in the label stack	N/A	Enumeration: <ul style="list-style-type: none"> 0 1 2 3 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> • 4 • 5 • 6 	
LabelPositions2	Position of the second label in the label stack	N/A	Enumeration: <ul style="list-style-type: none"> • 0 • 1 • 2 • 3 • 4 • 5 • 6 	N/A
LabelPositions3	Position of the third label in the label stack	N/A	Enumeration: <ul style="list-style-type: none"> • 0. • 1 • 2 • 3 • 4 • 5 • 6 	N/A
NoIPFieldsEnable	Specifies not to count IP fields.	N/A	Boolean: <ul style="list-style-type: none"> • true. • false (default). 	N/A

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NETSTREAM4

NETSTREAM4/NS4Enable

This table contains information about enabling NetStream on an interface.

XML structure

```
<NETSTREAM4>
  <NS4Enable>
    <InterfaceEnable>
      <IfIndex></IfIndex>
      <Enable></Enable>
    </InterfaceEnable>
  </NS4Enable>
</NETSTREAM4>
```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4Enable
Table type	Multi-instance table
Row name	InterfaceEnable
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in <i>Ifmgr NETCONF XML API Configuration Reference</i> .
Enable	Traffic direction	N/A	Enumeration: <ul style="list-style-type: none">• 0—Disable• 1—Enables NetStream for incoming traffic.• 2—Enables NetStream for outgoing traffic.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 3—Enables NetStream for incoming and outgoing traffic. 	

NETSTREAM4/NS4Sampler

This table contains information about enabling NetStream sampling on an interface.

XML structure

```

<NETSTREAM4>
  <NS4Sampler>
    <InterfaceSampler>
      <IfIndex></IfIndex>
      <Direction></Direction>
      <SamplerName></SamplerName>
    </InterfaceSampler>
  </NS4Sampler>
</NETSTREAM4>

```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4Sampler
Table type	Multi-instance table
Row name	InterfaceSampler
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in <i>Ifmgr NETCONF XML API Configuration Reference</i> .
Direction	Traffic direction	Index	Enumeration: <ul style="list-style-type: none"> 1—Incoming traffic. 2—Outgoing traffic. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
SamplerName	Sampler name	N/A	String, case-insensitive. Length: 1 to 31 characters.	N/A

NETSTREAM4/NS4Filter

This table contains information about enabling NetStream filtering an interface.

XML structure

```

<NETSTREAM4>
  <NS4Filter>
    <InterfaceFilter>
      <IfIndex></IfIndex>
      <Direction></Direction>
      <AclNumber></AclNumber>
    </InterfaceFilter>
  </NS4Filter>
</NETSTREAM4>

```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4Filter
Table type	Multi-instance table
Row name	InterfaceFilter
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in Ifmgr NETCONF XML API Configuration Reference.
Direction	Traffic direction	Index	Enumeration: <ul style="list-style-type: none"> 1—Incoming traffic. 2—Outgoing traffic. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
AclNumber	IPv4 ACL number.	N/A	Unsigned integer. For an IPv4 basic ACL, the value range is 2000 to 2999. For an IPv4 advanced ACL, the value range is 3000 to 3999.	NetStream filtering uses an ACL to identify target packets. If you want to collect data for specific flows, use the ACL permit statements to identify the flows. NetStream collects data only for these flows. If you do not want to collect data for specific flows, use the ACL deny statements to identify the flows. NetStream does not collect data for these flows.

NETSTREAM4/NS4V9RefreshTime

This table contains information about the refresh rate of time for the NetStream version 9 template.

XML structure

```

<NETSTREAM4>
  <NS4V9RefreshTime>
    <Time></Time>
  </NS4V9RefreshTime>
</NETSTREAM4>

```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4V9RefreshTime
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Time	Interval at which the template is sent	N/A	Unsigned integer. Value range: 1 to 3600 minutes.

NETSTREAM4/NS4V9RefreshPacket

This table contains information about the refresh rate of packet for the NetStream version 9 template.

XML structure

```
<NETSTREAM4>
  <NS4V9RefreshPacket>
    <Packet></Packet>
  </NS4V9RefreshPacket>
</NETSTREAM4>
```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4V9RefreshPacket
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Packet	Number of packets that are sent before the template is sent	N/A	Unsigned integer. Value range: 1 to 600.

NETSTREAM4/NS4Host

This table contains the information about the destination host to which the IPv4 NetStream exports.

XML structure

```
<NETSTREAM4>
  <NS4Host>
    <Host>
      <VrfIndex></VrfIndex>
      <IP></IP>
      <UDPPort></UDPPort>
    </Host>
  </NS4Host>
</NETSTREAM4>
```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4Host
Table type	Multi-instance table
Row name	Host
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VrfIndex	Index of the VRF	Index	Unsigned integer. Value range: 0 to 65535	When vrfIndex is 0, it indicates the host is on public network. This supports name index.
IP	IP address of the host	Index	String, dotted decimal notation.	N/A
UDPPort	UDP port of the host	N/A	Unsigned integer. Value range: 0 to 65535	N/A

NETSTREAM4/NS4Source

This table contains the information about the source interface for NetStream data to be sent to NetStream servers.

XML structure

```
<NETSTREAM4>
  <NS4Source>
    <IfIndex></IfIndex>
  </NS4Source>
</NETSTREAM4>
```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4Source
Table type	Single-instance table
Row name	None

Item	Description
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Source interface index	N/A	Unsigned integer	This supports name index.

NETSTREAM4/NS4ActiveTime

This table contains the information about the aging time of active flows.

XML structure

```
<NETSTREAM4>
  <NS4ActiveTime>
    <ActiveTime></ActiveTime>
  </NS4ActiveTime>
</NETSTREAM4>
```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4ActiveTime
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ActiveTime	The active timeout	N/A	Unsigned integer. Value range: 1 to 60 minutes. Default: 30 minutes.

NETSTREAM4/NS4InActiveTime

This table contains the information about the aging time of inactive flows.

XML structure

```
<NETSTREAM4>
  <NS4InActiveTime>
    <InActiveTime></InActiveTime>
  </NS4InActiveTime>
</NETSTREAM4>
```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4InActiveTime
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
InActiveTime	The Inactive timeout	N/A	Unsigned integer. Value range: 10 to 600 seconds. Default: 30 seconds.

NETSTREAM4/NS4MaxEntry

This table contains the information about the upper limit on IPv4 NetStream entries.

XML structure

```
<NETSTREAM4>
  <NS4MaxEntry>
    <MaxEntry></MaxEntry>
    <Action></Action>
  </NS4MaxEntry>
</NETSTREAM4>
```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4MaxEntry
Table type	Single-instance table

Item	Description
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
MaxEntry	The MaxEntries of ip netstream	N/A	Unsigned integer	N/A.
Action	Processing method when the upper limit is reached	N/A	Boolean: <ul style="list-style-type: none"> true—Ages out the oldest entries when the upper limit is reached. false (default)—Disables creation of a new entry when the upper limit is reached. 	N/A

NETSTREAM4/NS4Version

This table contains information about the version that IPv4 NetStream uses to export data.

XML structure

```

<NETSTREAM4>
  <NS4Version>
    <Version></Version>
    <As></As>
    <NextHop></NextHop>
  </NS4Version>
</NETSTREAM4>

```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4MaxEntry
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Version	The ip netstream version	N/A	Enumeration: <ul style="list-style-type: none">• 5• 9• 10
As	The autonomous system	N/A	Enumeration: <ul style="list-style-type: none">• 0—peer-as• 1—origin-as
Nexthop	bgp-nexthop	N/A	Boolean: <ul style="list-style-type: none">• true• false

NETSTREAM4/NS4Rate

This table contains information about the export rate.

XML structure

```
<NETSTREAM4>
  <NS4Rate>
    <Rate></Rate>
  </NS4Rate>
</NETSTREAM4>
```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NETSTREAM4Rate
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Rate	Export rate	N/A	Unsigned integer. Value range: 0 to 1000

NETSTREAM4/NS4Aging

This table contains information about IPv4 NetStream periodical aging and TCP FIN- and RST-triggered aging.

XML structure

```
<NETSTREAM4>
  <NS4Aging>
    <AgingEnable></AgingEnable>
  </NS4Aging>
</NETSTREAM4>
```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4Aging
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
AgingEnable	Enabling status of periodical aging, TCP FIN and RST-triggered aging.	N/A	Boolean: <ul style="list-style-type: none">true.false.

NETSTREAM4/NS4IPSECRawPacket

This table contains information about NetStream for outgoing packets before/after IPsec encapsulation.

XML structure

```
<NETSTREAM4>
  <NS4IPSECRawPacket>
    <IPSECRawPacket>
      <IfIndex></IfIndex>
      <RawPacketEnable></RawPacketEnable>
    </IPSECRawPacket>
  </NS4IPSECRawPacket>
```

</NETSTREAM4>

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4IPSECRawPacket
Table type	Single-instance table
Row name	IPSECRawPacket
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in <i>Ifmgr NETCONF XML API Configuration Reference</i> .
RawPacketEnable	Enabling status of NetStream for outgoing packets before IPsec encapsulation	N/A	Boolean: <ul style="list-style-type: none">true—Enabled.false—Disabled (default).	By default, NetStream is enabled for outgoing IPsec encapsulated packets.

NETSTREAM4/NS4MPLSCollection

This table contains information about MPLS-aware IPv4 NetStream.

XML structure

```
<NETSTREAM4>
  <NS4MPLSCollection>
    <LabelPosition1></LabelPosition1>
    <LabelPosition2></LabelPosition2>
    <LabelPosition3></LabelPosition3>
    <NoIPFieldsEnable></NoIPFieldsEnable>
  </NS4MPLSCollection>
</NETSTREAM4>
```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4MPLSCollection
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LabelPositions1	Position of the first label in the label stack	N/A	Enumeration: <ul style="list-style-type: none">• 0.• 1• 2• 3• 4• 5• 6	N/A
LabelPositions2	Position of the second label in the label stack	N/A	Enumeration: <ul style="list-style-type: none">• 0.• 1• 2.• 3• 4• 5• 6	N/A
LabelPositions3	position of the third label in the label stack.	N/A	Enumeration: <ul style="list-style-type: none">• 0.• 1• 2• 3• 4• 5• 6	N/A
NoIPFieldsEnable	Specifies not to count IP fields.	N/A	Boolean: <ul style="list-style-type: none">• true.• false.	N/A

NETSTREAM4/NS4ExportInfo

This table contains information about the IPv4 NetStream data Export.

XML structure

```
<NETSTREAM4>
  <NS4ExportInfo>
    <ExportInfo>
      <ExportType></ExportType>
      <Ipv4Address></Ipv4Address>
      <VrfIndex></VrfIndex>
      <UDPPort></UDPPort>
      <IfIndex></IfIndex>
      <V5ExportNum></V5ExportNum>
      <V5UDPDatagramsNum></V5UDPDatagramsNum>
      <V5UDPDatagramsFailed></V5UDPDatagramsFailed>
      <V8ExportNum></V8ExportNum>
      <V8UDPDatagramsNum></V8UDPDatagramsNum>
      <V8UDPDatagramsFailed></V8UDPDatagramsFailed>
      <V9ExportNum></V9ExportNum>
      <V9UDPDatagramsNum></V9UDPDatagramsNum>
      <V9UDPDatagramsFailed></V9UDPDatagramsFailed>
      <V10ExportNum></V10ExportNum>
      <V10UDPDatagramsNum></V10UDPDatagramsNum>
      <V10UDPDatagramsFailed></V10UDPDatagramsFailed>
    </ExportInfo>
  </NS4ExportInfo>
</NETSTREAM4>
```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4MPLSCollection
Table type	Multi-instance table
Row name	ExportInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ExportType	Export Type	index	Unsigned integer: <ul style="list-style-type: none">1-17	1-13:aggregation 14:IP 15:MPLS 16:L2 17:IPL2
Ipv4Address	IPv4 address	index	String, dotted decimal notation.	HOST ip address

Column name	Column description	Column type	Data type and restrictions	Remarks
VrfIndex	Index of the VRF	N/A	Unsigned integer.	N/A
UDPPort	UDP Port	N/A	Unsigned integer.	N/A
IfIndex	Interface Index	N/A	Unsigned integer.	N/A
V5ExportNum	Version 5 exported flows number.	N/A	Unsigned integer.	N/A
V5UDPDatagramsNum	Version 5 exported UDP datagram number.	N/A	Unsigned integer.	N/A
V5UDPDatagramsFailed	Version 5 exported UDP datagram failed number.	N/A	Unsigned integer.	N/A
V8ExportNum	Version 8 exported flows number.	N/A	Unsigned integer.	N/A
V8UDPDatagramsNum	Version 8 exported flows number.	N/A	Unsigned integer.	N/A
V8UDPDatagramsFailed	Version 8 exported UDP datagram failed number.	N/A	Unsigned integer.	N/A
V9ExportNum	Version 9 exported flows number.	N/A	Unsigned integer.	N/A
V9UDPDatagramsNum	Version 9 exported UDP datagram number.	N/A	Unsigned integer.	N/A
V9UDPDatagramsFailed	Version 9 exported UDP datagram failed number.	N/A	Unsigned integer.	N/A
V10ExportNum	Version 10 exported flows number.	N/A	Unsigned integer.	Some version may not support.
V10UDPDatagramsNum	Version 10 exported UDP datagram number.	N/A	Unsigned integer.	Some version may not support.
V10UDPDatagramsFailed	Version 10 exported UDP datagram failed number.	N/A	Unsigned integer.	Some version may not support.

NETSTREAM4/NS4Specification

This table contains information about IPv4 NetStream specification.

XML structure

```
<NETSTREAM4>
  <NS4Specification>
    <MaxEntryAction></MaxEntryAction>
    <MaxEntryNum></MaxEntryNum>
    <MinEntryNum></MinEntryNum>
    <ActiveMaxTimeOut></ActiveMaxTimeOut>
    <InactiveMaxTimeOut></InactiveMaxTimeOut>
    <NoSupportMPLS></NoSupportMPLS>
    <SupportGlobal></SupportGlobal>
    <NSNoFilter></NSNoFilter>
    <NSSupportMirror></NSSupportMirror>
    <NSNoSampler></NSNoSampler>
    <NS4IfSetConfBitMap></NS4IfSetConfBitMap>
    <NSNoAging></NSNoAging>
    <NsSupportVxlan></NsSupportVxlan>
    <NsIgnoreDirect></NsIgnoreDirect>
    <NsModeRaw></NsModeRaw>
  </NS4Specification>
</NETSTREAM4>
```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4Specification
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
MaxEntryAction	Whether the entry action is supported	N/A	Boolean: <ul style="list-style-type: none">true.false.
MaxEntryNum	Max entry number	N/A	Unsigned integer.
MinEntryNum	Min entry number	N/A	Unsigned integer.

Column name	Column description	Column type	Data type and restrictions
ActiveMaxTimeOut	Active Max TimeOut	N/A	Unsigned integer.
InActiveMaxTimeOut	Inactive Max TimeOut	N/A	Unsigned integer.
NoSupportMPLS	Whether the MPLS is supported	N/A	Boolean: <ul style="list-style-type: none"> true. False.
SupportGlobal	Whether enabling IPv4 NetStream globally is supported	N/A	Boolean: <ul style="list-style-type: none"> true. false.
NSNoFilter	Whether filter is supported.	N/A	Boolean: <ul style="list-style-type: none"> true. false.
NSSupportMirror	Whether the mirror is supported.	N/A	Boolean: <ul style="list-style-type: none"> true. false.
NSNoSampler	Whether the sampler is supported.	N/A	Boolean: <ul style="list-style-type: none"> true. false.
NS4IfSetConfBitMap	Whether the interface is supported.	N/A	Unsigned integer.
NSNoAging	Whether the aging is supported.	N/A	Boolean: <ul style="list-style-type: none"> true. false.
NsSupportVxlan	Whether the VXLAN is supported.	N/A	Boolean: <ul style="list-style-type: none"> true. false.
NsIgnoreDirect	Whether ignore direct.	N/A	Boolean: <ul style="list-style-type: none"> true. false.
NsModeRaw	Whether the IPsec raw is supported.	N/A	Boolean: <ul style="list-style-type: none"> true. false.

NETSTREAM4/NS4CacheInfo

This table contains information about IPv4 NetStream Cache.

XML structure

```

<NETSTREAM4>
  <NS4CacheInfo>
    <CacheInfo>
      <LipNode></LipNode>

```

```

    <HashIndex></HashIndex>
    <Order></Order>
    <FlowType></FlowType>
    <PacketNum></PacketNum>
    <IfIndex></IfIndex>
    <Direction></Direction>
    <VxlanID></VxlanID>
    <SrcAddress></SrcAddress>
    <SrcPort></SrcPort>
    <DstAddress></DstAddress>
    <DstPort></DstPort>
    <Protocol></Protocol>
    <Tos></Tos>
    <AppID></AppID>
    <MplsTopType></MplsTopType>
    <MplsTopLabelIP></MplsTopLabelIP>
    <MplsTopLabelMaskLen></MplsTopLabelMaskLen>
    <MplsLabel1></MplsLabel1>
    <MplsLabel2></MplsLabel2>
    <MplsLabel3></MplsLabel3>
  </CacheInfo>
</NS4CacheInfo>
</NETSTREAM4>

```

Table description

Item	Description
Feature name	NETSTREAM4
Table name	NS4CacheInfo
Table type	Multi-instance table
Row name	CacheInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LipNode	The LipNode index	Index	Unsigned integer.	N/A
HashIndex	The hash table index	Index	Unsigned integer Value range: 0 to 65535.	N/A
Order	Position of hash conflict link	Index	Unsigned integer.	N/A
FlowType	NetStream entry type	N/A	Enumeration:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 1—IP 2—MPLS 3—MIX 	
PacketNum	Total number of packets	N/A	Unsigned integer	Unsigned integer. Value range: 0 to $2^{64} - 1$.
IfIndex	Interface index	Index	Unsigned integer.	This supports name index
Direction	Direction of the packet	N/A	Enumeration: <ul style="list-style-type: none"> 0—OUT 1—IN 	N/A
VxlanID	N/A	N/A	Unsigned integer.	N/A
SrcAddress	IP address of the source	N/A	String, dotted decimal notation.	N/A
SrcPort	Port of the source.	N/A	Unsigned integer.	N/A
DstAddress	IP address of the destination	N/A	String, dotted decimal notation.	N/A
DstPort	Port of the destination.	N/A	Unsigned integer.	N/A
Protocol	Protocol type	N/A	Unsigned integer.	N/A
Tos	Service type	N/A	Unsigned integer.	N/A
AppID	Application ID	N/A	Unsigned integer.	N/A
MplsTopType	MPLS top type	N/A	Enumeration: <ul style="list-style-type: none"> 0—UNKNOWN 1—TE_MIDPT 2—ATOM 3—VPN 5—BGP 6—LDP 	N/A
MplsTopLabelIP	Label IP address	Index	String, dotted decimal notation.	N/A
MplsTopLabelMaskLen	Label ip mask length	N/A	Unsigned integer.	N/A
MplsLabel1	First mpls label	N/A	Unsigned integer.	N/A
MplsLabel2	Second MPLS label	N/A	Unsigned integer.	N/A
MplsLabel3	Third MPLS label	N/A	Unsigned integer.	N/A

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 - XML structure 1
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 - Columns 1

OFC

OFC/Channel

This table contains information about OpenFlow controller Channel.

XML structure

```
<OFC>
  <Channels>
    <Channel>
      <DatapathID></DatapathID>
      <ChannelID></ChannelID>
      <SwitchIPv4Address></SwitchIPv4Address>
      <SwitchIPv6Address></SwitchIPv6Address>
    </Channel>
  </Channels>
</OFC>
```

Table description

Item	Description
Feature name	OFC
Table name	Channels
Table type	Multi-instance table
Row name	Channel
Restrictions	No

Columns

Column name	Column description	Column type	Data type and restrictions
DatapathID	DatapathID of instance	Index	Unsigned integer64. <ul style="list-style-type: none">Value range: 1 to $2^{64}-1$.
ChannelID	Channel's ID	Index	Unsigned integer. <ul style="list-style-type: none">Value range: 0-255.
SwitchIPv4Address	Switch's IPv4 address	N/A	String, dotted decimal notation.
SwitchIPv6Address	Switch's IPv6 address	N/A	String, semicolon hex notation.

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Columns	7

OFP

OFP/LogicalSwitches

This table contains information about OpenFlow instance.

XML structure

```
<OFP>
  <LogicalSwitches>
    <LogicalSwitch>
      <InstanceID></InstanceID>
      <Description></Description>
      <DatapathID></DatapathID>
      <Enable></Enable>
      <Capabilities>
        <MaxEntries></MaxEntries>
        <DynamicMacAware></DynamicMacAware>
        <MacLearning></MacLearning>
        <TableMissDefaultPermit></TableMissDefaultPermit>
        <ForbiddenPort></ForbiddenPort>
        <PermitPort></PermitPort>
        <DynamicArpPre></DynamicArpPre>
        <TcpNsr></TcpNsr>
      </Capabilities>
      <Resources>
        <ClassificationType></ClassificationType>
        <ClassificationVLAN></ClassificationVLAN>
        <ClassificationVLANMask></ClassificationVLANMask>
        <ClassificationVLANLoosen></ClassificationVLANLoosen>
        <InbandManagementVLANList></InbandManagementVLANList>
        <MACIPTableIDList></MACIPTableIDList>
        <ExtensibilityFlowTableIDList></ExtensibilityFlowTableIDList>
      </Resources>
      <ConnectionCfg>
        <ConnectionMode></ConnectionMode>
        <ConnectionInterval></ConnectionInterval>
        <EchoInterval></EchoInterval>
        <LostConnectionBehavior></LostConnectionBehavior>
        <TcpDscp></TcpDscp>
        <ForbiddenPktInArpCtrl></ForbiddenPktInArpCtrl>
      </ConnectionCfg>
    </LogicalSwitch>
  </LogicalSwitches>
</OFP>
```

Table description

Item	Description
Feature name	OFP
Table name	LogicalSwitches
Table type	Multi-instance table
Row name	LogicalSwitch
Restrictions	No
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
InstanceID	Instance ID	Index	Unsigned integer. <ul style="list-style-type: none">• Value range: 1-4094.
Description	Description of instance	N/A	String. <ul style="list-style-type: none">• Length: 1 to 255 characters. Default is empty.
DatapathID	DatapathID of instance	N/A	Unsigned integer64. <ul style="list-style-type: none">• Value range: 1 to $2^{64}-1$. Default: Instance ID for high 16 bits, Bridge MAC for low 48 bits.
Enable	Enable status of instance	N/A	Boolean: <ul style="list-style-type: none">• true—Yes.• false—No(Default).
Capabilities	Capabilities of instance	Data structure	Members include: <ul style="list-style-type: none">• MaxEntries.• DynamicMacAware.• MacLearning.• TableMissDefaultPermit.• ForbiddenPort.• PermitPort.• DynamicArpPre.• TcpNsr.
MaxEntries	Maximum number of flow entry in instance	N/A	Unsigned integer. <ul style="list-style-type: none">• Value range: Depends on device type. Default value depends on device type.
DynamicMacAware	Enable to query state of dynamic mac addresses	N/A	Boolean: <ul style="list-style-type: none">• true—Yes.• false—No(Default).
MacLearning	Enable mac learning in instance	N/A	Boolean: <ul style="list-style-type: none">• true—Yes(Default).• false—No.

Column name	Column description	Column type	Data type and restrictions
TableMissDefaultPermit	Assign "Permit" as the default table miss action of instance	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No(Default).
ForbiddenPort	Port type to be forbidden reporting port status to controller	N/A	Unsigned integer. 1st bit for VLAN interface. 2nd bit for VSI interface. 3rd bit for ROUTE interface. Default is 0.
PermitPort	Permit reporting ports of specific type	N/A	Unsigned integer. 1st bit for LAGG interface. Default is 0.
DynamicArpPre	Dynamic ARP will replace the conflicting openflow ARP	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No(Default).
TcpNsr	Enable controller tcp nsr in instance	N/A	Boolean: <ul style="list-style-type: none"> true—Yes(Default). false—No.
Resources	Resources of instance	Data structure	Members include: <ul style="list-style-type: none"> ClassificationType. ClassificationVLAN. ClassificationVLANMask. ClassificationVLANLoosen. InbandManagementVLANList. MACIPTableIDList. ExtensibilityFlowTableIDList.
ClassificationType	Classification type of instance	N/A	Enumeration: <ul style="list-style-type: none"> 1—VLANMask. 2—Global. Default is not configured.
ClassificationVLAN	VLAN value when the type of classification is VLANMask	N/A	Unsigned integer. <ul style="list-style-type: none"> Value range: 1-4094. Default is not configured. Classification VLAN can be configured only when the value of classification type is VLANMASK.
ClassificationVLANMask	VLAN mask value when the type of classification is VLANMask	N/A	Unsigned integer. <ul style="list-style-type: none"> Value range: 0-4095. Default is not configured. Classification VLAN mask can be configured only when the value of classification type is VLANMASK.
ClassificationVLANLoosen	Loosen mode when the type of classification is VLANMask	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No(Default).

Column name	Column description	Column type	Data type and restrictions
InbandManagementVLANList	In band management VLAN list of the instance	N/A	Number string. It is a comma-separated list of VLAN items. <ul style="list-style-type: none"> The string must not end with a comma or hyphen, or include any whitespace characters. Default is not configured.
MACIPTableIDList	MAC-IP table ID configuration of the instance	N/A	Number string. It is a comma-separated list of table ID items. <ul style="list-style-type: none"> The string must not end with a comma or hyphen, or include any whitespace characters. Default is not configured.
ExtensibilityFlowTableIDList	Extensibility table ID configuration of the instance	N/A	Number string. It is a comma-separated list of table ID items. <ul style="list-style-type: none"> The string must not end with a comma or hyphen, or include any whitespace characters. Default is 0.
ConnectionCfg	Configuration of connection in instance	Data structure	Members include: <ul style="list-style-type: none"> ConnectionMode. ConnectionInterval. EchoInterval. LostConnectionBehavior. TcpDscp. ForbiddenPktInArpCtrl.
ConnectionMode	Connection mode for controller in instance	N/A	Enumeration: <ul style="list-style-type: none"> 0—Parallel(Default). 1—Serially.
ConnectionInterval	Connection retry interval for connection with controller in instance	N/A	Unsigned integer. <ul style="list-style-type: none"> Value range: 1-120. Default is 60.
EchoInterval	Interval time value of echo packet sending to controller in instance	N/A	Unsigned integer. <ul style="list-style-type: none"> Value range: 1-10. Default is 5.
LostConnectionBehavior	Behavior for connection failure with all controllers in instance	N/A	Enumeration: <ul style="list-style-type: none"> 1—Standalone. 2—Secure. 4—Smart Default is secure mode.

Column name	Column description	Column type	Data type and restrictions
TcpDscp	Set the DSCP value for OpenFlow messages in an OpenFlow instance	N/A	Unsigned integer. • Value range: 0-63. Default is 10.
ForbiddenPktInArpCtrl	Specify controllers to which ARP packets are forbidden to be sent	N/A	Unsigned integer64. 1st bit for controller 0. 2nd bit for controller 1. 3rd bit for controller 2. 63rd bit for controller 62. 64th bit for controller 63. Default is 0.

OFP/Controller

This table contains information about OpenFlow controllers.

XML structure

```

<OFP>
  <Controllers>
    <Controller>
      <InstanceID></InstanceID>
      <ControllerID></ControllerID>
      <IPv4Address></IPv4Address>
      <IPv6Address></IPv6Address>
      <Port></Port>
      <LocalIPv4Address></LocalIPv4Address>
      <LocalIPv6Address></LocalIPv6Address>
      <LocalPort></LocalPort>
      <Protocol></Protocol>
      <VRF></VRF>
      <SSLPolicy></SSLPolicy>
    </Controller>
  </Controllers>
</OFP>

```

Table description

Item	Description
Feature name	OFP
Table name	Controllers
Table type	Multi-instance table

Item	Description
Row name	Controller
Restrictions	Row creation is allowed only when the instance exists.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
InstanceID	Instance ID	Index	Unsigned integer. • Value range: 1-4094.
ControllerID	Controller ID	Index	Unsigned integer. Value range: 0-63.
IPv4Address	Controller's IPv4 address	N/A	String, dotted decimal notation. Default is not configured.
IPv6Address	Controller's IPv6 address	N/A	String, semicolon hex notation. Default is not configured.
Port	Controller's port	N/A	Unsigned integer. • Value range: 1-65535. Default is 6633.
LocalIPv4Address	Local IPv4 address for connection with controller	N/A	String, dotted decimal notation. Default is not configured.
LocalIPv6Address	Local IPv6 address for connection with controller	N/A	String, semicolon hex notation. Default is not configured.
LocalPort	Local port for connection with controller	N/A	Unsigned integer. • Value range: 1-65535. Default is not configured.
Protocol	Protocol used for connection with controller	N/A	Enumeration: • 1 —TCP(Default). • 2 —SSL
VRF	VRF name for VPN connection with controller	N/A	String. Length: 1 to 31 characters. Default is not configured.
SSLPolicy	SSL policy name for SSL connection with controller	N/A	String, case insensitive. Length: 1 to 31 characters. Default is not configured. SSL policy can be configured only when the value of protocol is SSL.

OFP/GlobalConfigurations

This table contains information about OpenFlow global configurations.

XML structure

```
<OFP>
  <GlobalConfigurations>
    <NormalForwardVLANList></NormalForwardVLANList>
  </GlobalConfigurations>
</OFP>
```

Table description

Item	Description
Feature name	OFP
Table name	GlobalConfigurations
Table type	Single-instance table
Row name	N/A
Restrictions	This table supports only global configurations.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
NormalForwardVLANList	Normal forwarding VLAN list	N/A	Number string. It is a comma-separated list of VLAN items. The string cannot end with a comma or hyphen, or include any whitespace characters. Default is not configured.

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Columns	7

OFP

OFP/LogicalSwitches

This table contains information about OpenFlow instance.

XML structure

```
<OFP>
  <LogicalSwitches>
    <LogicalSwitch>
      <InstanceID></InstanceID>
      <Description></Description>
      <DatapathID></DatapathID>
      <Enable></Enable>
      <Capabilities>
        <MaxEntries></MaxEntries>
        <DynamicMacAware></DynamicMacAware>
        <MacLearning></MacLearning>
        <TableMissDefaultPermit></TableMissDefaultPermit>
        <ForbiddenPort></ForbiddenPort>
        <PermitPort></PermitPort>
        <DynamicArpPre></DynamicArpPre>
        <TcpNsr></TcpNsr>
      </Capabilities>
      <Resources>
        <ClassificationType></ClassificationType>
        <ClassificationVLAN></ClassificationVLAN>
        <ClassificationVLANMask></ClassificationVLANMask>
        <ClassificationVLANLoosen></ClassificationVLANLoosen>
        <InbandManagementVLANList></InbandManagementVLANList>
        <MACIPTableIDList></MACIPTableIDList>
        <ExtensibilityFlowTableIDList></ExtensibilityFlowTableIDList>
      </Resources>
      <ConnectionCfg>
        <ConnectionMode></ConnectionMode>
        <ConnectionInterval></ConnectionInterval>
        <EchoInterval></EchoInterval>
        <LostConnectionBehavior></LostConnectionBehavior>
        <TcpDscp></TcpDscp>
        <ForbiddenPktInArpCtrl></ForbiddenPktInArpCtrl>
      </ConnectionCfg>
    </LogicalSwitch>
  </LogicalSwitches>
</OFP>
```

Table description

Item	Description
Feature name	OFP
Table name	LogicalSwitches
Table type	Multi-instance table
Row name	LogicalSwitch
Restrictions	No

Columns

Column name	Column description	Column type	Data type and restrictions
InstanceID	Instance ID	Index	Unsigned integer. <ul style="list-style-type: none"> Value range: 1-4094.
Description	Description of instance	N/A	String. <ul style="list-style-type: none"> Length: 1 to 255 characters.
DatapathID	DatapathID of instance	N/A	Unsigned integer64. <ul style="list-style-type: none"> Value range: 1 to $2^{64}-1$.
Enable	Enable status of instance	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No.
Capabilities	Capabilities of instance	Data structure	Members include: <ul style="list-style-type: none"> MaxEntries. DynamicMacAware. MacLearning. TableMissDefaultPermit. ForbiddenPort. PermitPort. DynamicArpPre. TcpNsr.
MaxEntries	Maximum number of flow entry in instance	N/A	Unsigned integer. <ul style="list-style-type: none"> Value range: Depends on device type.
DynamicMacAware	Enable to query state of dynamic mac addresses	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No.
MacLearning	Enable mac learning in instance	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No.
TableMissDefaultPermit	Assign “Permit” as the default table miss action of instance	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No.

Column name	Column description	Column type	Data type and restrictions
ForbiddenPort	Port type to be forbidden reporting port status to controller	N/A	Unsigned integer. 1st bit for VLAN interface. 2nd bit for VSI interface. 3rd bit for ROUTE interface.
PermitPort	Permit reporting ports of specific type	N/A	Unsigned integer. 1st bit for LAGG interface.
DynamicArpPre	Dynamic ARP will replace the conflicting openflow ARP	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No.
TcpNsr	Enable controller tcp nsr in instance	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No.
Resources	Resources of instance	Data structure	Members include: <ul style="list-style-type: none"> ClassificationType. ClassificationVLAN. ClassificationVLANMask. ClassificationVLANLoosen. InbandManagementVLANList. MACIPTableIDList. ExtensibilityFlowTableIDList.
ClassificationType	Classification type of instance	N/A	Enumeration: <ul style="list-style-type: none"> 1—VLANMask. 2—Global.
ClassificationVLAN	VLAN value when the type of classification is VLANMask	N/A	Unsigned integer. <ul style="list-style-type: none"> Value range: 1-4094.
ClassificationVLANMask	VLAN mask value when the type of classification is VLANMask	N/A	Unsigned integer. <ul style="list-style-type: none"> Value range: 0-4095.
ClassificationVLANLoosen	Loosen mode when the type of classification is VLANMask	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No.
InbandManagementVLANList	In band managment VLAN list of the instance	N/A	Number string. It is a comma-separated list of VLAN items. <ul style="list-style-type: none"> The string must not end with a comma or hyphen, or include any whitespace characters.
MACIPTableIDList	MAC-IP table ID configuration of the instance	N/A	Number string. It is a comma-separated list of table ID items. <ul style="list-style-type: none"> The string must not end with a comma or hyphen, or include any whitespace characters.

Column name	Column description	Column type	Data type and restrictions
ExtensibilityFlowTableIDList	Extensibility table ID configuration of the instance	N/A	Number string. It is a comma-separated list of table ID items. <ul style="list-style-type: none"> The string must not end with a comma or hyphen, or include any whitespace characters.
ConnectionCfg	Configuration of connection in instance	Data structure	Members include: <ul style="list-style-type: none"> ConnectionMode. ConnectionInterval. EchoInterval. LostConnectionBehavior. TcpDscp. ForbiddenPktInArpCtrl.
ConnectionMode	Connection mode for controller in instance	N/A	Enumeration: <ul style="list-style-type: none"> 0—Parallel. 1—Serially.
ConnectionInterval	Connection retry interval for connection with controller in instance	N/A	Unsigned integer. <ul style="list-style-type: none"> Value range: 1-120.
EchoInterval	Interval time value of echo packet sending to controller in instance	N/A	Unsigned integer. <ul style="list-style-type: none"> Value range: 1-10.
LostConnectionBehavior	Behavior for connection failure with all controllers in instance	N/A	Enumeration: <ul style="list-style-type: none"> 1—Standalone. 2—Secure. 4—Smart
TcpDscp	Set the DSCP value for OpenFlow messages in an OpenFlow instance	N/A	Unsigned integer. <ul style="list-style-type: none"> Value range: 0-63.
ForbiddenPktInArpCtrl	Specify controllers to which ARP packets are forbidden to be sent	N/A	Unsigned integer64. 1st bit for controller 0. 2nd bit for controller 1. 3rd bit for controller 2. 63rd bit for controller 62. 64th bit for controller 63.

OFP/Controller

This table contains information about OpenFlow controllers.

XML structure

<OFP>

```

<Controllers>
  <Controller>
    <InstanceID></InstanceID>
    <ControllerID></ControllerID>
    <Role></Role>
    <IPv4Address></IPv4Address>
    <IPv6Address></IPv6Address>
    <Port></Port>
    <LocalIPv4Address></LocalIPv4Address>
    <LocalIPv6Address></LocalIPv6Address>
    <LocalPort></LocalPort>
    <Protocol></Protocol>
    <VRF></VRF>
    <SSLPolicy></SSLPolicy>
    <ConnectionState></ConnectionState>
    <CurrentVersion></CurrentVersion>
  </Controller>
</Controllers>
</OFP>

```

Table description

Item	Description
Feature name	OFP
Table name	Controllers
Table type	Multi-instance table
Row name	Controller
Restrictions	No

Columns

Column name	Column description	Column type	Data type and restrictions
InstanceID	Instance ID	Index	Unsigned integer. • Value range: 1-4094.
ControllerID	Controller ID	Index	Unsigned integer. Value range: 0-63.
Role	Controller role	N/A	Enumeration: • 0 —Unknown. • 1 —Equal. • 2 —Master. • 3 —Slave.
IPv4Address	Controller's IPv4 address	N/A	String, dotted decimal notation.
IPv6Address	Controller's IPv6 address	N/A	String, semicolon hex notation.

Column name	Column description	Column type	Data type and restrictions
Port	Controller's port	N/A	Unsigned integer. • Value range: 1-65535.
LocalIPv4Address	Local IPv4 address for connection with controller	N/A	String, dotted decimal notation.
LocalIPv6Address	Local IPv6 address for connection with controller	N/A	String, semicolon hex notation.
LocalPort	Local port for connection with controller	N/A	Unsigned integer. • Value range: 1-65535.
Protocol	Protocol used for connection with controller	N/A	Enumeration: • 1—TCP • 2—SSL
VRF	VRF name for VPN connection with controller	N/A	String. Length: 1 to 31 characters.
SSLPolicy	SSL policy name for SSL connection with controller	N/A	String. Length: 1 to 31 characters.
ConnectionState	Connection state of controller	N/A	Enumeration: • 0—Idle. • 1—Established.
CurrentVersion	Wired version of OpenFlow protocol for the connection.	N/A	String. Length: 1 to 15 characters.

OFP/GlobalConfigurations

This table contains information about OpenFlow global configurations.

XML structure

```

<OFP>
  <GlobalConfigurations>
    <NormalForwardVLANList></NormalForwardVLANList>
  </GlobalConfigurations>
</OFP>

```

Table description

Item	Description
Feature name	OFP
Table name	GlobalConfigurations
Table type	Single-instance table
Row name	N/A
Restrictions	This table supports only global configurations.

Columns

Column name	Column description	Column type	Data type and restrictions
NormalForwardVLANList	Global support for normal forward VLAN list	N/A	Number string. It is a comma-separated list of VLAN items. <ul style="list-style-type: none">The string must not end with a comma or hyphen, or include any whitespace characters.

OFP/Capability

This table contains OFP capability information, and it is used to obtain custom OFP parameters.

XML structure

```
<OFP>
  <Capability>
    <LostConnectionSmartMode></LostConnectionSmartMode>
    <SupportExtensibilityTableNum></SupportExtensibilityTableNum>
  </Capability>
</OFP>
```

Table description

Item	Description
Feature name	OFP
Table name	Capability
Table type	Single-instance table
Row name	N/A
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
LostConnectionSmartMode	SmartMode behavior for connection failure with all controllers in an OpenFlow instance	N/A	Boolean: <ul style="list-style-type: none">true—Support.false—Nonsupport.

Column name	Column description	Column type	Data type and restrictions
SupportExtensibilityTableNum	Number of extensibility tables supported by the instance	N/A	Unsigned integer. Value range: 0-255.

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OSPF

OSPF/Instances

This table contains OSPF instance information.

XML structure

```
<OSPF>
  <Instances>
    <Instance>
      <Name></Name>
      <VRF></VRF>
      <RouterId></RouterId>
    </Instance>
  </Instances>
</OSPF>
```

Table description

Item	Description
Feature name	OSPF
Table name	Instances
Table type	Multi-instance table
Row name	Instance
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name.	Index	String. Length: 1 to 31 characters.	It must be an unsigned integer in the range of 1 to 65535.
VRF	VRF name.	N/A	String. Length: 1 to 31 characters.	After an instance is created, its VRF cannot be modified.
RouterId	Router identifier.	N/A	String, dotted decimal notation.	After this column is created or merged, it cannot be deleted or removed.

OSPF/Redistributes

This table contains OSPF redistribute list information.

XML structure

```
<OSPF>
  <Redistributes>
    <Redist>
      <Name></Name>
      <TopoId></TopoId>
      <Protocol></Protocol>
      <RedistName></RedistName>
    </Redist>
  </Redistributes>
</OSPF>
```

Table description

Item	Description
Feature name	OSPF
Table name	Redistributes
Table type	Multi-instance table
Row name	Redist
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name.	Index	String. Length: 1 to 31 characters.	You must create an instance before you merge or create redistribute lists for it. It must be an unsigned integer in the range of 1 to 65535.
Topold	Topology ID.	Index	Unsigned integer. Value range: 0, 32 to 127. Default: 0.	Only 0 is supported now.
Protocol	Redistribute protocol.	Index	Enumeration:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 1—Direct. 2—Static. 3—RIP. 4—OSPF. 5—ISIS. 6—BGP. 	
RedistName	Redistribute instance name.	Index	String. Length: 1 to 31 characters.	It must be empty when the Protocol column is Direct, Static, or BGP.

OSPF/Areas

This table contains OSPF area information.

XML structure

```

<OSPF>
  <Areas>
    <Area>
      <Name></Name>
      <AreaId></AreaId>
      <AreaType></AreaType>
    </Area>
  </Areas>
</OSPF>

```

Table description

Item	Description
Feature name	OSPF
Table name	Areas
Table type	Multi-instance table
Row name	Area
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name.	Index	String. Length: 1 to 31 characters.	You must create an instance before

Column name	Column description	Column type	Data type and restrictions	Remarks
				you merge or create areas for it. It must be an unsigned integer in the range of 1 to 65535.
Areald	Area ID.	Index	String, dotted decimal notation.	N/A
AreaType	Area type.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Stub. 2—NSSA. 	You cannot specify AreaType when Areald is 0.

OSPF/Networks

This table contains OSPF network list information.

XML structure

```

<OSPF>
  <Networks>
    <Network>
      <Name></Name>
      <AreaId></AreaId>
      <NetworkAddr></NetworkAddr>
      <WildcardMask></WildcardMask>
    </Network>
  </Networks>
</OSPF>

```

Table description

Item	Description
Feature name	OSPF
Table name	Networks
Table type	Multi-instance table
Row name	Network
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name.	Index	String. Length: 1 to 31 characters.	You must create an instance and an area before you merge or create networks for it. It must be an unsigned integer in the range of 1 to 65535.
Areald	Area ID.	Index	String, dotted decimal notation.	N/A
NetworkAddr	Network address.	Index	String, dotted decimal notation.	N/A
WildcardMask	Wildcard mask.	N/A	String, dotted decimal notation.	N/A

OSPF/Interfaces

This table contains OSPF interface information.

XML structure

```

<OSPF>
  <Interfaces>
    <Interface>
      <IfIndex></IfIndex>
      <IfEnable>
        <Name></Name>
        <AreaId></AreaId>
        <ExcludedSubIp></ExcludedSubIp>
      </IfEnable>
      <Cost></Cost>
      <NetworkType></NetworkType>
      <HelloTimer></HelloTimer>
      <DeadTimer></DeadTimer>
      <DrPriority></DrPriority>
      <SimpleAuth>
        <SimplePwdType></SimplePwdType>
        <SimplePwd></SimplePwd>
      </SimpleAuth>
      <BfdEnable></BfdEnable>
      <PrefixSid>
        <SidName></SidName>
        <SidType></SidType>
      </PrefixSid>
    </Interface>
  </Interfaces>
</OSPF>

```

```

<Sid></Sid>

<ExplicitNull></ExplicitNull>

<NFlagClear></NFlagClear>

</PrefixSid>

</Interface>
</Interfaces>
</OSPF>

```

Table description

Item	Description
Feature name	OSPF
Table name	Interfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 3 interfaces.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in <i>Ifmgr NETCONF XML API Configuration Reference</i> .
IfEnable	Interface enable messages.	Data structure	Members include: <ul style="list-style-type: none"> Name. Areald. ExcludedSubIp. 	The members of Name and Areald must be specified.
Name	Instance name.	N/A	String, case-sensitive. Length: 1 to 31 characters.	It must be an unsigned integer in the range of 1 to 65535.
Areald	Area ID.	N/A	String, dotted decimal notation.	N/A
ExcludedSubIp	Whether to exclude secondary IP addresses.	N/A	Boolean: <ul style="list-style-type: none"> true—Excludes secondary IP addresses. false—Does not exclude secondary IP addresses (default). 	N/A
Cost	Interface cost.	N/A	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			Value range: <ul style="list-style-type: none"> • Loopback interfaces: 0 to 65535. • Other interfaces: 1 to 65535. Default: <ul style="list-style-type: none"> • Loopback interfaces: 0. • Other interfaces: The cost values are calculated by using the formula: <i>Cost = Reference bandwidth value / Expected interface bandwidth.</i> 	
NetworkType	Interface network type.	N/A	Enumeration: <ul style="list-style-type: none"> • 1—Broadcast. • 2—NBMA. • 3—P2P. • 4—P2MP. • 5—P2MP unicast. 	N/A
HelloTimer	Hello interval.	N/A	Unsigned integer. Value range: 1 to 65535.	N/A
DeadTimer	Dead interval.	N/A	Unsigned integer. Value range: 1 to 2147483647.	N/A
DrPriority	Router priority.	N/A	Unsigned integer. Value range: 0 to 255. Default: 1.	N/A
SimpleAuth	Simple authentication messages.	Data structure	Members include: <ul style="list-style-type: none"> • SimplePwdType. • SimplePwd. 	The members must both be specified.
SimplePwdType	Simple password type.	N/A	Enumeration: <ul style="list-style-type: none"> • 1—Cipher. • 2—Plain. 	N/A
SimplePwd	Simple password.	N/A	String. Length: <ul style="list-style-type: none"> • 1 to 8 characters for plain password. • 33 to 41 characters for cipher password. 	N/A
BfdEnable	BFD is enabled for OSPF.	N/A	Enumeration: <ul style="list-style-type: none"> • 1—Enable control packet mode. • 2—Enable echo packet mode. 	N/A
PrefixSid	Prefix Segment ID messages.	Data structure	Members include: <ul style="list-style-type: none"> • SidName. • SidType. 	The members of SidName, SidType and Sid must be specified.

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> Sid. ExplicitNull. NFlagClear. 	
SidName	Instance name.	N/A	String, case-sensitive. Length: 1 to 31 characters.	It must be an unsigned integer in the range of 1 to 65535.
SidType	The type of Prefix-SID	N/A	Enumeration: <ul style="list-style-type: none"> 1—Absolute value of Prefix-SID. 2—Index value of Prefix-SID. 	N/A
Sid	Prefix Segment ID	N/A	Unsigned integer. Value range: 0 to 1048575.	N/A
ExplicitNull	Explicit null label	N/A	Boolean: <ul style="list-style-type: none"> true—The upstream neighbor replaces the prefix SID with an explicit null label. false—The upstream neighbor does not replace the prefix SID with an explicit null label (default). 	N/A
NFlagClear	Clear the N-flag	N/A	Boolean: <ul style="list-style-type: none"> true—Clears the N-flag for the prefix SID. false—Does not clear the N-flag for the prefix SID (default). 	N/A

OSPF/IfMd5s

This table contains OSPF interface cryptographic authentication information.

XML structure

```

<OSPF>
  <IfMd5s>
    <Md5>
      <IfIndex></IfIndex>
      <KeyId></KeyId>
      <Md5Type></Md5Type>
      <PasswordType></PasswordType>
      <Password></Password>
    </Md5>
  </IfMd5s>
</OSPF>

```

Table description

Item	Description
Feature name	OSPF
Table name	IfMd5s
Table type	Multi-instance table
Row name	Md5
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in <i>Ifmgr NETCONF XML API Configuration Reference</i> .
KeyId	Key ID.	Index	Unsigned integer. Value range: 1 to 255.	N/A
Md5Type	Cryptographic authentication type.	N/A	Enumeration: <ul style="list-style-type: none"> 1—MD5. 2—HMAC-MD5. 3—HMAC-SHA-256. 	After a Md5 is created, its Md5Type cannot be modified.
PasswordType	Password type.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Cipher. 2—Plain. 	After a Md5 is created, its PasswordType cannot be modified.
Password	Password.	N/A	String. Length: <ul style="list-style-type: none"> 1 to 16 characters for MD5/HMAC-MD5 plain password, and 1 to 255 characters for HMAC-SHA-256 plain password. 33 to 53 characters for MD5/HMAC-MD5 cipher password, and 33 to 373 characters for HMAC-SHA-256 cipher 	After a Md5 is created, its Password cannot be modified.

Column name	Column description	Column type	Data type and restrictions	Remarks
			password.	

OSPF/Preferences

This table contains OSPF preference information.

XML structure

```

<OSPF>
  <Preferences>
    <Preference>
      <Name></Name>
      <TopoId></TopoId>
      <Type></Type>
      <Value></Value>
      <PolicyName></PolicyName>
    </Preference>
  </Preferences>
</OSPF>

```

Table description

Item	Description
Feature name	OSPF
Table name	Preferences
Table type	Multi-instance table
Row name	Preference
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name.	Index	String. Length: 1 to 31 characters.	You must create an instance before you merge or create areas for it. It must be an unsigned integer in the range of 1 to 65535.
Topold	Topology ID.	Index	Unsigned integer.	Only 0 is

Column name	Column description	Column type	Data type and restrictions	Remarks
			Value range: 0, 32 to 127. Default: 0.	supported now.
Type	Route type.	Index	Enumeration: <ul style="list-style-type: none"> 1—AS internal route. 2—AS external route. 	N/A
Value	Preference value.	N/A	Unsigned integer. Value range: 1 to 255. Default: <ul style="list-style-type: none"> AS internal route is 10. AS external route is 150. 	N/A
PolicyName	Name of the routing policy.	N/A	String. Length: 1 to 63 characters.	N/A

OSPF/AsbrSummarys

This table contains OSPF ASBR summary route information.

XML structure

```

<OSPF>
  <AsbrSummarys>
    <AsbrSummary>
      <Name></Name>
      <TopoId></TopoId>
      <Ipv4Address></Ipv4Address>
      <Ipv4Mask></Ipv4Mask>
      <Cost></Cost>
      <NotAdvertise></NotAdvertise>
      <NssaOnly></NssaOnly>
      <Tag></Tag>
    </AsbrSummary>
  </AsbrSummarys>
</OSPF>

```

Table description

Item	Description
Feature name	OSPF
Table name	AsbrSummarys
Table type	Multi-instance table
Row name	AsbrSummary
Restrictions	None

Item	Description
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name.	Index	String. Length: 1 to 31 characters.	You must create an instance before you merge or create areas for it. It must be an unsigned integer in the range of 1 to 65535.
Topold	Topology ID.	Index	Unsigned integer. Value range: 0, 32 to 127. Default: 0.	Only 0 is supported now.
Ipv4Address	IPv4 address.	Index	IPv4: String, dotted decimal notation.	N/A
Ipv4Mask	Mask of IP address.	Index	IPv4: String, dotted decimal notation.	N/A
Cost	Summary route cost.	N/A	Unsigned integer. Value range: 1 to 16777214.	N/A
NotAdvertise	Does not advertise summary route.	N/A	Boolean: <ul style="list-style-type: none"> true—Does not advertise summary route. false—Advertises summary route (default). 	N/A
NssaOnly	Limits summary routes to NSSA areas.	N/A	Boolean: <ul style="list-style-type: none"> true—Limits summary routes to NSSA areas. false—Does not limit summary routes to NSSA areas (default). 	N/A
Tag	Summary route tag.	N/A	Unsigned integer. Value range: 0 to 4294967295. Default: 1.	N/A

OSPF/StubRouters

This table contains OSPF stub router information.

XML structure

```
<OSPF>
  <StubRouters>
    <StubRouter>
```

```

<Name></Name>
<TopoId></TopoId>
<ExternalLsa></ExternalLsa>
<ExtMetric></ExtMetric>
<IncludeStub></IncludeStub>
<OnStartup>
  <WaitForBgp></WaitForBgp>
  <Seconds></Seconds>
</OnStartup>
<SummaryLsa></SummaryLsa>
<SumMetric></SumMetric>
</StubRouter>
</StubRouters>
</OSPF>

```

Table description

Item	Description
Feature name	OSPF
Table name	StubRouters
Table type	Multi-instance table
Row name	StubRouter
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name.	Index	String. Length: 1 to 31 characters.	You must create an instance before you merge, create, replace, delete, or remove StubRouter lists for it. It must be an unsigned integer in the range of 1 to 65535.
Topold	Topology ID.	Index	Unsigned integer. Value range: 0, 32 to 127. Default: 0.	Only 0 is supported now.
ExternalLsa	Configures the cost of external LSAs.	N/A	Boolean: <ul style="list-style-type: none"> true—Specifies a cost for the external LSAs. false—Does not specify 	For the create and merge operations, if you both configure the ExternalLsa and

Column name	Column description	Column type	Data type and restrictions	Remarks
			a cost for the external LSAs (default).	ExtMetric, you must specify the ExternalLsa as true. For the replace operation, if you configure the ExtMetric, you must configure the ExternalLsa too, and specify the ExternalLsa as true. For the delete and remove operations, if you configure the ExternalLsa, the ExtMetric value will be deleted.
ExtMetric	Cost of the external LSAs.	N/A	Unsigned integer. Value range: 1 to 16777215. Default: 16711680.	N/A
IncludeStub	Sets the cost of the stub links.	N/A	Boolean: <ul style="list-style-type: none"> true—Sets the cost of the stub links (link type 3) in Router LSAs to the maximum value 65535. false—Does not set the cost of the stub links (link type 3) in Router LSAs (default). 	N/A
OnStartup	Specifies the router as a stub router during reboot.	Data structure	Members include: <ul style="list-style-type: none"> WaitForBgp. Seconds. 	At least one member must be specified.
WaitForBgp	Waits for BGP on-startup.	N/A	Boolean: <ul style="list-style-type: none"> true—Specifies the router as a stub router during BGP route convergence after reboot. false—Does not specify the router as a stub router during BGP route convergence after reboot (default). 	N/A
Seconds	On-startup timeout time.	N/A	Unsigned integer. Value range: 5 to 86400. Default: 600 (when WaitForBgp is specified as true).	The unit is seconds. When WaitForBgp is specified as true , the default

Column name	Column description	Column type	Data type and restrictions	Remarks
				value for Seconds is 600.
SummaryLsa	Configures the cost of the summary LSAs.	N/A	Boolean: <ul style="list-style-type: none"> true—Specifies a cost for the Type-3 LSAs. false—Does not specify a cost for the Type-3 LSAs (default). 	<p>For the create and merge operations, if you both configure the SummaryLsa and SumMetric, you must specify the SummaryLsa as true.</p> <p>For the replace operation, if you configure the SumMetric, you must configure the SummaryLsa too, and specify the SummaryLsa as true.</p> <p>For the delete and remove operations, if you configure the SummaryLsa, the SumMetric value will be deleted.</p>
SumMetric	Cost of the summary LSAs.	N/A	Unsigned integer. Value range: 1 to 16777215. Default: 16711680.	N/A

OSPF/Nssas

This table contains OSPF NSSA area information.

XML structure

```

<OSPF>
  <Nssas>
    <Nssa>
      <Name></Name>
      <TopoId></TopoId>
      <AreaId></AreaId>
      <DefaultRouteAdvertiseCfg>
        <DefaultRouteAdvertise></DefaultRouteAdvertise>
        <Cost></Cost>
        <NssaOnly></NssaOnly>
        <PolicyName></PolicyName>
        <Type></Type>
      </DefaultRouteAdvertiseCfg>
      <NoImportRoute></NoImportRoute>
    </Nssa>
  </Nssas>
</OSPF>

```

```

<NoSummary></NoSummary>
<SuppressFa></SuppressFa>
<Translate></Translate>
<TranslatorStabilityInterval></TranslatorStabilityInterval>
</Nssa>
</Nssas>
</OSPF>

```

Table description

Item	Description
Feature name	OSPF
Table name	Nssas
Table type	Multi-instance table
Row name	Nssa
Restrictions	The row can be operated only when the AreaType of the corresponding area in the Areas table is configured as Nssa.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name.	Index	String. Length: 1 to 31 characters.	You must create an instance before you merge or create areas for it. It must be an unsigned integer in the range of 1 to 65535.
Topold	Topology ID.	Index	Unsigned integer. Value range: 0, 32 to 127. Default: 0.	Only 0 is supported now.
Areald	Area ID.	Index	String, dotted decimal notation.	
DefaultRoute AdvertiseCfg	Default route advertisement messages.	Data structure	Members include: <ul style="list-style-type: none"> DefaultRouteAdvertise. Cost. NssaOnly. PolicyName. Type. 	N/A
DefaultRoute Advertise	Whether to generate a Type-7 default into the NSSA area.	N/A	Boolean: <ul style="list-style-type: none"> true—Generates a Type-7 default into the NSSA area. false—Does not generate a Type-7 default into the NSSA area. (default). 	For the create and merge operations, if you both configure the DefaultRouteAdvertise and the other members, you

Column name	Column description	Column type	Data type and restrictions	Remarks
				<p>must specify the DefaultRouteAdvertise as true.</p> <p>For the replace operation, if you configure the other members, you must configure the DefaultRouteAdvertise too, and specify it as true.</p> <p>For the delete and remove operations, if you configure the DefaultRouteAdvertise, the values of the rest members will be deleted.</p>
Cost	Metric for default route.	N/A	Unsigned integer. Value range: 0 to 16777214.	N/A
NssaOnly	Whether to limit the default route advertisement to the NSSA area.	N/A	Boolean: <ul style="list-style-type: none"> true—Limits the default route advertisement to the NSSA area. false—Does not limit the default route advertisement to the NSSA area (default). 	N/A
PolicyName	Specifies the routing policy to filter default route.	N/A	String. Length: 1 to 63 characters.	N/A
Type	Specifies a cost type for the Type-7 LSA.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Type 1. 2—Type 2. 	N/A
NoImportRoute	Whether to redistribute routes into the NSSA area.	N/A	Boolean: <ul style="list-style-type: none"> true—Does not redistribute routes into the NSSA area. false—Redistributes routes into the NSSA area (default). 	N/A
NoSummary	Whether to send summary LSA into the NSSA area.	N/A	Boolean: <ul style="list-style-type: none"> true—Does not send summary LSA into the NSSA area. false—Sends summary LSA into the NSSA area (default). 	N/A
SuppressFa	Whether to suppress the forwarding address in the	N/A	Boolean: <ul style="list-style-type: none"> true—Suppresses the forwarding address in the Type-7 LSAs from being 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	Type-7 LSAs from being placed in the Type-5 LSAs.		placed in the Type-5 LSAs. <ul style="list-style-type: none"> false—Does not suppress the forwarding address in the Type-7 LSAs from being placed in the Type-5 LSAs (default). 	
Translate	Whether to translate Type-7 LSAs to Type-5 LSAs.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Always translates Type-7 LSAs to Type-5 LSAs. 2—Never translates Type-7 LSAs to Type-5 LSAs. 3—Ignores checking the backbone area. 4—Always translates Type-7 LSAs to Type-5 LSAs and ignores checking the backbone area. 	N/A
TranslatorStabilityInterval	Specifies the stability interval of the translator.	N/A	Unsigned integer. Value range: 0 to 900.	The unit is seconds and the default value is 0.

OSPF/SilentAllInterfaces

This table contains all OSPF silent interface information.

XML structure

```

<OSPF>
  <SilentAllInterfaces>
    <SilentAllInterface>
      <Name></Name>
      <SilentAll></SilentAll>
    </SilentAllInterface>
  </SilentAllInterfaces>
</OSPF>

```

Table description

Item	Description
Feature name	OSPF
Table name	SilentAllInterfaces
Table type	Multi-instance table
Row name	SilentAllInterface
Restrictions	None

Item	Description
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name.	Index	String. Length: 1 to 31 characters.	You must create an instance before you merge or create SilentAllInterfaces for it. It must be an unsigned integer in the range of 1 to 65535.
SilentAll	Whether to specify all interfaces	N/A	Boolean: <ul style="list-style-type: none"> true—Specifies all interfaces. false—Does not specify all interfaces(default). 	N/A

OSPF/SilentInterfaces

This table contains OSPF silent interface information.

XML structure

```

<OSPF>
  <SilentInterfaces>
    <SilentInterface>
      <Name></Name>
      <IfName></IfName>
      <Silent></Silent>
    </SilentInterface>
  </SilentInterfaces>
</OSPF>

```

Table description

Item	Description
Feature name	OSPF
Table name	SilentAllInterfaces
Table type	Multi-instance table
Row name	SilentAllInterface

Item	Description
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name.	Index	String. Length: 1 to 31 characters.	You must create an instance before you merge or create SilentInterfaces for it. It must be an unsigned integer in the range of 1 to 65535.
IfName	Interface name	Index	String. Length: 1 to 47 characters.	N/A
Silent	Whether to specify the interface	N/A	Boolean: <ul style="list-style-type: none"> true—Specifies the interface. false—Does not specify the interface. 	If SilentAll is true in the SilentAllInterfaces table, the default Silent value is true. If SilentAll is false in the SilentAllInterfaces table, the default Silent value is false.

OSPF/SegmentRoutings

This table contains OSPF segment routing information.

XML structure

```

<OSPF>
  <SegmentRoutings>
    <SegmentRouting>
      <Name></Name>
      <MplsEnable></MplsEnable>
      <AdjacencyEnable></AdjacencyEnable>
      <SRGB>
        <Lowerbound></Lowerbound>
        <Upperbound></Upperbound>
      </SRGB>
    </SegmentRouting>
  </SegmentRoutings>
</OSPF>

```

```

    </SegmentRoutings>
  </OSPF>

```

Table description

Item	Description
Feature name	OSPF
Table name	SegmentRoutings
Table type	Multi-instance table
Row name	SegmentRouting
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name.	Index	String. Length: 1 to 31 characters.	You must create an instance before you merge or create segmentroutings for it. It must be an unsigned integer in the range of 1 to 65535.
MplsEnable	Whether to enable MPLS SR.	N/A	Boolean: <ul style="list-style-type: none"> true—Enables MPLS SR. false—Does not enable MPLS SR(default). 	N/A
AdjacencyEnable	Whether to enable adjacency label allocation.	N/A	Boolean: <ul style="list-style-type: none"> true—Enables adjacency label allocation. false—Does not enable adjacency label allocation(default). 	N/A
SRGB	Specifies range of SRGB.	Data structure	Members include: <ul style="list-style-type: none"> Lowerbound. Upperbound. 	N/A
Lowerbound	Min value of SRGB.	N/A	Unsigned integer. Value range: 16000 to 23999. Default: 16000.	N/A
Upperbound	Max value of SRGB.	N/A	Unsigned integer. Value range: 16001 to 24000. Default: 24000.	N/A

OSPF/DistributeBgpls

This table contains information about OSPF link state advertisement to BGP.

XML structure

```
<OSPF>
  <DistributeBgpls>
    <DistributeBgpls>
      <Name></Name>
      <TopoId></TopoId>
      <InstanceId></InstanceId>
      <StrictLinkCheck></StrictLinkCheck>
    </DistributeBgpls>
  </DistributeBgpls>
</OSPF>
```

Table description

Item	Description
Feature name	OSPF
Table name	DistributeBgpls
Table type	Multi-instance table
Row name	DistributeBgpls
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name.	Index	String. Length: 1 to 31 characters.	You must create an instance before you merge or create distributebgpls for it. It must be an unsigned integer in the range of 1 to 65535.
Topold	Topology ID.	Index	Unsigned integer. Value range: 0, 32 to 127 Default: 0.	Only 0 is supported now.
Instancelid	Instance ID.	N/A	Unsigned integer. Value range: 0 to 65535	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			Default: 0.	
StrictLinkCheck	Whether to enable strict link checking.	N/A	Boolean: <ul style="list-style-type: none"> • true—Enables strict link checking. • false—Does not enable strict link checking (default). 	N/A

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OSPF

OSPF/Instances

This table contains OSPF instance information.

XML structure

```
<OSPF>
  <Instances>
    <Instance>
      <Name></Name>
      <VRF></VRF>
      <RouterId></RouterId>
    </Instance>
  </Instances>
</OSPF>
```

Table description

Item	Description
Feature name	OSPF
Table name	Instances
Table type	Multi-instance table
Row name	Instance
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Name	Instance name.	Index	String. Length: 1 to 31 characters.
VRF	VRF name.	N/A	String. Length: 1 to 31 characters.
RouterId	Router identifier.	N/A	String, dotted decimal notation.

OSPF/Redistributes

This table contains OSPF redistribute list information.

XML structure

```
<OSPF>
  <Redistributes>
    <Redist>
      <Name></Name>
      <TopoId></TopoId>
      <Protocol></Protocol>
      <RedistName></RedistName>
    </Redist>
  </Redistributes>
</OSPF>
```

Table description

Item	Description
Feature name	OSPF
Table name	Redistributes
Table type	Multi-instance table
Row name	Redist
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Name	Instance name.	Index	String. Length: 1 to 31 characters.
Topold	Topology ID.	Index	Unsigned integer. Value range: 0, 32 to 127. Default: 0.
Protocol	Redistribute protocol.	Index	Enumeration: <ul style="list-style-type: none">• 1—Direct.• 2—Static.• 3—RIP.• 4—OSPF.• 5—ISIS.• 6—BGP.
RedistName	Redistribute instance name.	Index	String. Length: 1 to 31 characters.

OSPF/Areas

This table contains OSPF area information.

XML structure

```
<OSPF>
  <Areas>
    <Area>
      <Name></Name>
      <AreaId></AreaId>
      <AreaType></AreaType>
    </Area>
  </Areas>
</OSPF>
```

Table description

Item	Description
Feature name	OSPF
Table name	Areas
Table type	Multi-instance table
Row name	Area
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Name	Instance name.	Index	String. Length: 1 to 31 characters.
Areald	Area ID.	Index	String, dotted decimal notation.
AreaType	Area type.	N/A	Enumeration: <ul style="list-style-type: none">• 1—Stub.• 2—NSSA.

OSPF/Networks

This table contains OSPF network list information.

XML structure

```
<OSPF>
  <Networks>
    <Network>
      <Name></Name>
      <AreaId></AreaId>
      <NetworkAddr></NetworkAddr>
      <WildcardMask></WildcardMask>
```

```

    </Network>
  </Networks>
</OSPF>

```

Table description

Item	Description
Feature name	OSPF
Table name	Networks
Table type	Multi-instance table
Row name	Network
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Name	Instance name.	Index	String. Length: 1 to 31 characters.
Areald	Area ID.	Index	String, dotted decimal notation.
NetworkAddr	Network address.	Index	String, dotted decimal notation.
WildcardMask	Wildcard mask.	N/A	String, dotted decimal notation.

OSPF/Interfaces

This table contains OSPF interface information.

XML structure

```

<OSPF>
  <Interfaces>
    <Interface>
      <IfIndex></IfIndex>
      <IfEnable>
        <Name></Name>
        <AreaId></AreaId>
        <ExcludedSubIp></ExcludedSubIp>
      </IfEnable>
      <Cost></Cost>
      <NetworkType></NetworkType>
      <HelloTimer></HelloTimer>
      <DeadTimer></DeadTimer>
    </Interface>
  </Interfaces>
</OSPF>

```

```

    <DrPriority></DrPriority>

    <SimpleAuth>
      <SimplePwdType></SimplePwdType>
      <SimplePwd></SimplePwd>
    </SimpleAuth>

    <CurAuthType></CurAuthType>

    <CurMd5KeyId></CurMd5KeyId>

    <State></State>

    <BfdEnable></BfdEnable>

    <PrefixSid>
      <SidName></SidName>
      <SidType></SidType>
      <Sid></Sid>
      <ExplicitNull></ExplicitNull>
      <NFlagClear></NFlagClear>
    </PrefixSid>
  </Interface>
</Interfaces>
</OSPF>

```

Table description

Item	Description
Feature name	OSPF
Table name	Interfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 3 interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in <i>Ifmgr NETCONF XML API Configuration Reference</i> .
IfEnable	Interface enable messages.	Data structure	Members include: <ul style="list-style-type: none"> Name. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> • Areald. 	
Name	Instance name.	N/A	String, case-sensitive. Length: 1 to 31 characters.	N/A
Areald	Area ID.	N/A	String, dotted decimal notation.	N/A
ExcludedSubIp	Whether to exclude secondary IP addresses.	N/A	Boolean: <ul style="list-style-type: none"> • true—Excludes secondary IP addresses. • false—Does not exclude secondary IP addresses (default). 	N/A
Cost	Interface cost.	N/A	Unsigned integer. Value range: <ul style="list-style-type: none"> • 0 to 65535 for loopback interfaces. • 1 to 65535 for other interfaces. 	N/A
NetworkType	Interface network type.	N/A	Enumeration: <ul style="list-style-type: none"> • 1—Broadcast. • 2—NBMA. • 3—P2P. • 4—P2MP. • 5—P2MP unicast. 	N/A
HelloTimer	Hello interval.	N/A	Unsigned integer. Value range: 1 to 65535.	N/A
DeadTimer	Dead interval.	N/A	Unsigned integer. Value range: 1 to 2147483647.	N/A
DrPriority	Router priority.	N/A	Unsigned integer. Value range: 0 to 255.	N/A
SimpleAuth	Simple authentication messages.	Data structure	Members include: <ul style="list-style-type: none"> • SimplePwdType. • SimplePwd. 	N/A
SimplePwdType	Simple password type.	N/A	Enumeration: <ul style="list-style-type: none"> • 1—Ciphertext. • 2—Plaintext. 	N/A
SimplePwd	Simple password.	N/A	String. Length: <ul style="list-style-type: none"> • 1 to 8 characters for plain password. • 33 to 41 characters for cipher password. 	N/A
CurAuthType	Enabled authentication mode.	N/A	Enumeration: <ul style="list-style-type: none"> • 1—Simple. • 2—MD5. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> • 3—HMAC-MD5. • 4—HMAC-SHA-256. 	
CurMd5Id	Last key ID.	N/A	Unsigned integer. Value range: 1 to 255.	N/A
State	Interface state.	N/A	Enumeration: <ul style="list-style-type: none"> • 0—Down. • 1—Waiting. • 2—P-2-P. • 3—DR. • 4—BDR. • 5—DROther. • 6—Loopback. 	N/A
BfdEnable	BFD is enabled for OSPF.	N/A	Enumeration: <ul style="list-style-type: none"> • 1—Enable control packet mode. • 2—Enable echo packet mode. 	N/A
PrefixSid	Prefix Segment ID messages.	Data structure	Members include: <ul style="list-style-type: none"> • SidName. • SidType. • Sid. • ExplicitNull. • NFlagClear. 	N/A
SidName	Instance name.	N/A	String, case-sensitive. Length: 1 to 31 characters.	N/A
SidType	The type of Prefix-SID	N/A	Enumeration: <ul style="list-style-type: none"> • 1—Absolute value of Prefix-SID. • 2—Index value of Prefix-SID. 	N/A
Sid	Prefix Segment ID	N/A	Unsigned integer. Value range: 0 to 1048575.	N/A
ExplicitNull	Explicit null label	N/A	Boolean: <ul style="list-style-type: none"> • true—The upstream neighbor replaces the prefix SID with an explicit null label. • false—The upstream neighbor does not replace the prefix SID with an explicit null label. 	N/A
NFlagClear	Whether to clear the N-flag	N/A	Boolean: <ul style="list-style-type: none"> • true—Clears the N-flag for the prefix SID. • false—Does not clear the N-flag for the prefix SID. 	N/A

OSPF/IfMd5s

This table contains OSPF interface cryptographic authentication information.

XML structure

```
<OSPF>
  <IfMd5s>
    <Md5>
      <IfIndex></IfIndex>
      <KeyId></KeyId>
      <Md5Type></Md5Type>
      <PasswordType></PasswordType>
      <Password></Password>
    </Md5>
  </IfMd5s>
</OSPF>
```

Table description

Item	Description
Feature name	OSPF
Table name	IfMd5s
Table type	Multi-instance table
Row name	Md5
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in <i>Ifmgr NETCONF XML API Configuration Reference</i> .
KeyId	Key ID.	Index	Unsigned integer. Value range: 1 to 255.	N/A
Md5Type	Cryptographic authentication type.	N/A	Enumeration: <ul style="list-style-type: none">1—MD5.2—HMAC-MD5.3—HMAC-SHA-256.	N/A
PasswordTy	Password type.	N/A	Enumeration:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
pe			<ul style="list-style-type: none"> 1—Ciphertext. 2—Plaintext. 	
Password	Password.	N/A	String. Length: <ul style="list-style-type: none"> 1 to 16 characters for MD5/HMAC-MD5 plain password, and 1 to 255 characters for HMAC-SHA-256 plain password. 33 to 53 characters for MD5/HMAC-MD5 cipher password, and 33 to 373 characters for HMAC-SHA-256 cipher password. 	N/A

OSPF/Neighbours

This table contains OSPF neighbour information.

XML structure

```

<OSPF>
  <Neighbours>
    <Nbr>
      <IfIndex></IfIndex>
      <NbrAddress></NbrAddress>
      <NbrRouterId></NbrRouterId>
      <Name></Name>
      <AreaId></AreaId>
      <DrPriority></DrPriority>
      <State></State>
    </Nbr>
  </Neighbours>
</OSPF>

```

Table description

Item	Description
Feature name	OSPF
Table name	Neighbours
Table type	Multi-instance table
Row name	Nbr
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index.	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in <i>Ifmgr NETCONF XML API Configuration Reference</i> .
NbrAddress	Neighbour IPv4 address.	Index	String, dotted decimal notation.	N/A
NbrRouterId	Neighbour router identifier.	N/A	String, dotted decimal notation.	N/A
Name	Instance name.	N/A	String, case-sensitive. Length: 1 to 31 characters.	N/A
AreaId	Area ID.	N/A	String, dotted decimal notation.	N/A
DrPriority	Router priority.	N/A	Unsigned integer. Value range: 0 to 255.	N/A
State	Neighbour state.	N/A	Enumeration: <ul style="list-style-type: none"> • 0—Down. • 1—Init. • 2—Attempt. • 3—2-way. • 4—Exstart. • 5—Exchange. • 6—Loading. • 7—Full. 	N/A

OSPF/Preferences

This table contains OSPF preference information.

XML structure

```

<OSPF>
  <Preferences>
    <Preference>
      <Name></Name>
      <TopoId></TopoId>
      <Type></Type>
      <Value></Value>
      <PolicyName></PolicyName>
    </Preference>
  </Preferences>
</OSPF>

```

Table description

Item	Description
Feature name	OSPF
Table name	Preferences
Table type	Multi-instance table
Row name	Preference
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Name	Instance name.	Index	String. Length: 1 to 31 characters.
Topold	Topology ID.	Index	Unsigned integer. Value range: 0, 32 to 127.
Type	Route type.	Index	Enumeration: <ul style="list-style-type: none">• 1—AS internal route.• 2—AS external route.
Value	Preference value.	N/A	Unsigned integer. Value range: 1 to 255.
PolicyName	Name of the routing policy.	N/A	String. Length: 1 to 63 characters.

OSPF/AsbrSummaries

This table contains OSPF ASBR summary route information.

XML structure

```
<OSPF>
  <AsbrSummaries>
    <AsbrSummary>
      <Name></Name>
      <TopoId></TopoId>
      <Ipv4Address></Ipv4Address>
      <Ipv4Mask></Ipv4Mask>
      <Cost></Cost>
      <NotAdvertise></NotAdvertise>
      <NssaOnly></NssaOnly>
      <Tag></Tag>
    </AsbrSummary>
  </AsbrSummaries>
```

</OSPF>

Table description

Item	Description
Feature name	OSPF
Table name	AsbrSummarys
Table type	Multi-instance table
Row name	AsbrSummary
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name.	Index	String. Length: 1 to 31 characters.	N/A
Topold	Topology ID.	Index	Unsigned integer. Value range: 0, 32 to 127	N/A
Ipv4Address	IPv4 address.	Index	IPv4: String, dotted decimal notation.	N/A
Ipv4Mask	Mask of IP address	Index	Unsigned integer. Value range: 0 to 32.	N/A
Cost	Summary route cost.	N/A	Unsigned integer. Value range: 0 to 16777214.	If it is not configured, the largest cost among the summarized routes applies. If the routes in Type-5 LSAs translated from Type-7 LSAs are Type-2 external routes, the largest cost among the summarized routes plus 1 applies.
NotAdvertise	Does not advertise summary route.	N/A	Boolean: <ul style="list-style-type: none">true—Does not advertise summary route.false—Advertises summary route.	N/A
NssaOnly	Limits summary routes to NSSA areas.	N/A	Boolean: <ul style="list-style-type: none">true—Limits summary routes to NSSA areas.false—Does not limit summary routes to NSSA areas.	N/A
Tag	Summary route	N/A	Unsigned integer.	If it is not configured,

Column name	Column description	Column type	Data type and restrictions	Remarks
	tag.		Value range: 0 to 4294967295.	the tag specified by the default tag command is used.

OSPF/StubRouters

This table contains OSPF stub router information.

XML structure

```

<OSPF>
  <StubRouters>
    <StubRouter>
      <Name></Name>
      <TopoId></TopoId>
      <ExternalLsa></ExternalLsa>
      <ExtMetric></ExtMetric>
      <IncludeStub></IncludeStub>
      <OnStartup>
        <WaitForBgp></WaitForBgp>
        <Seconds></Seconds>
      </OnStartup>
      <SummaryLsa></SummaryLsa>
      <SumMetric></SumMetric>
    </StubRouter>
  </StubRouters>
</OSPF>

```

Table description

Item	Description
Feature name	OSPF
Table name	StubRouters
Table type	Multi-instance table
Row name	StubRouter
Restrictions	For the get or get-bulk operations, the data of the StubRouters table can be get only when the router is in stub state.

Columns

Column name	Column description	Column type	Data type and restrictions
Name	Instance name.	Index	String.

Column name	Column description	Column type	Data type and restrictions
			Length: 1 to 31 characters.
Topold	Topology ID.	Index	Unsigned integer. Value range: 0, 32 to 127.
ExternalLsa	Configures the cost of external LSAs.	N/A	Boolean: <ul style="list-style-type: none"> true—Specifies a cost for the external LSAs. false—Does not specify a cost for the external LSAs.
ExtMetric	Cost of the external LSAs.	N/A	Unsigned integer. Value range: 1 to 16777215.
IncludeStub	Sets the cost of the stub links.	N/A	Boolean: <ul style="list-style-type: none"> true—Sets the cost of the stub links (link type 3) in Router LSAs to the maximum value 65535. false—Does not set the cost of the stub links (link type 3) in Router LSAs.
OnStartup	Specifies the router as a stub router during reboot.	Data structure	Members include: <ul style="list-style-type: none"> WaitForBgp. Seconds.
WaitForBgp	Waits for BGP on startup.	N/A	Boolean: <ul style="list-style-type: none"> true—Specifies the router as a stub router during BGP route convergence after reboot. false—Does not specify the router as a stub router during BGP route convergence after reboot.
Seconds	On-startup timeout time.	N/A	Unsigned integer. Value range: 5 to 86400. Default: 600 (when WaitForBgp is specified as true).
SummaryLsa	Configures the cost of the summary LSAs.	N/A	Boolean: <ul style="list-style-type: none"> true—Specifies a cost for the Type-3 LSAs. false—Does not specify a cost for the Type-3 LSAs.
SumMetric	Cost of the summary LSAs.	N/A	Unsigned integer. Value range: 1 to 16777215.

OSPF/Nssas

This table contains OSPF NSSA area information.

XML structure

```
<OSPF>
  <Nssas>
    <Nssa>
      <Name></Name>
      <TopoId></TopoId>
      <AreaId></AreaId>
      <DefaultRouteAdvertiseCfg>
        <DefaultRouteAdvertise></DefaultRouteAdvertise>
        <Cost></Cost>
        <NssaOnly></NssaOnly>
        <PolicyName></PolicyName>
        <Type></Type>
      </DefaultRouteAdvertiseCfg>
      <NoImportRoute></NoImportRoute>
      <NoSummary></NoSummary>
      <SuppressFa></SuppressFa>
      <Translate></Translate>
      <TranslatorStabilityInterval></TranslatorStabilityInterval>
    </Nssa>
  </Nssas>
</OSPF>
```

Table description

Item	Description
Feature name	OSPF
Table name	Nssas
Table type	Multi-instance table
Row name	Nssa
Restrictions	The row can be operated only when the AreaType of the corresponding area in the Areas table is configured as Nssa.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name.	Index	String. Length: 1 to 31 characters.	N/A
Topold	Topology ID.	Index	Unsigned integer. Value range: 0, 32 to 127.	N/A
Areald	Area ID.	Index	String, dotted decimal notation.	N/A
DefaultRouteAd	Default route	Data	Members include:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
vertiseCfg	advertisement messages.	structure	<ul style="list-style-type: none"> DefaultRouteAdvertise. Cost. NssaOnly. PolicyName. Type. 	
DefaultRouteAdvertise	Whether to generate a Type-7 default into the NSSA area.	N/A	Boolean: <ul style="list-style-type: none"> true—Generates a Type-7 default into the NSSA area. false—Does not generate a Type-7 default into the NSSA area. 	N/A
Cost	Metric for default route.	N/A	Unsigned integer. Value range: 0 to 16777214.	Depends on the value specified by using the default-cost command and the default value of the default-cost command is 1.
NssaOnly	Whether to limit the default route advertisement to the NSSA area.	N/A	Boolean: <ul style="list-style-type: none"> true—Limits the default route advertisement to the NSSA area. false—Does not limit the default route advertisement to the NSSA area. 	N/A
PolicyName	Specifies the routing policy to filter default route.	N/A	String. Length: 1 to 63 characters.	N/A
Type	Specifies a cost type for the Type-7 LSA.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Type 1. 2—Type 2. 	Depends on the value specified by using the default type command and the default value of the default type command is 2.
NoImportRoute	Whether to redistribute routes into the NSSA area.	N/A	Boolean: <ul style="list-style-type: none"> true—Does not redistribute routes into the NSSA area. false—Redistribute routes into the NSSA area. 	N/A
NoSummary	Whether to send summary LSA into the NSSA area.	N/A	Boolean: <ul style="list-style-type: none"> true—Does not send summary LSA into the NSSA area. false—Sends summary LSA into the NSSA area. 	N/A
SuppressFa	Whether to	N/A	Boolean:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	suppress the forwarding address in the Type-7 LSAs from being placed in the Type-5 LSAs.		<ul style="list-style-type: none"> true—Suppresses the forwarding address in the Type-7 LSAs from being placed in the Type-5 LSAs. false—Does not suppress the forwarding address in the Type-7 LSAs from being placed in the Type-5 LSAs. 	
Translate	Whether to translate Type-7 LSAs to Type-5 LSAs.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Always translates Type-7 LSAs to Type-5 LSAs. 2—Never translates Type-7 LSAs to Type-5 LSAs. 3—Ignores checking the backbone area. 4—Always translates Type-7 LSAs to Type-5 LSAs and ignores checking the backbone area. 	N/A
TranslatorStabilityInterval	Specifies the stability interval of the translator.	N/A	Unsigned integer. Value range: 0 to 900.	N/A

OSPF/SilentAllInterfaces

This table contains all OSPF silent interface information.

XML structure

```

<OSPF>
  <SilentAllInterfaces>
    <SilentAllInterface>
      <Name></Name>
      <SilentAll></SilentAll>
    </SilentAllInterface>
  </SilentAllInterfaces>
</OSPF>

```

Table description

Item	Description
Feature name	OSPF
Table name	SilentAllInterfaces
Table type	Multi-instance table

Item	Description
Row name	SilentAllInterface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name.	Index	String. Length: 1 to 31 characters.	N/A
SilentAll	Whether to specify all interfaces	N/A	Boolean: <ul style="list-style-type: none"> true—Specifies all interfaces. false—Does not specify all interfaces. 	N/A

OSPF/SilentInterfaces

This table contains OSPF silent interface information.

XML structure

```

<OSPF>
  <SilentInterfaces>
    <SilentInterface>
      <Name></Name>
      <IfName></IfName>
      <Silent></Silent>
    </SilentInterface>
  </SilentInterfaces>
</OSPF>

```

Table description

Item	Description
Feature name	OSPF
Table name	SilentInterfaces
Table type	Multi-instance table
Row name	SilentInterface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name.	Index	String. Length: 1 to 31 characters.	N/A
IfName	Interface name	Index	String. Length: 1 to 47 characters.	N/A
Silent	Whether to specify the interface	N/A	Boolean: <ul style="list-style-type: none"> true—Specifies the interface. false—Does not specify the interface. 	If SilentAll is true in the SilentAllInterfaces table, the SilentInterfaces table gets data or configuration about interfaces that are not silent. If SilentAll is false in the SilentAllInterfaces table, the SilentInterfaces table gets data or configuration about silent interfaces.

OSPF/SegmentRoutings

This table contains OSPF segment routing information.

XML structure

```

<OSPF>
  <SegmentRoutings>
    <SegmentRouting>
      <Name></Name>
      <MplsEnable></MplsEnable>
      <AdjacencyEnable></AdjacencyEnable>
      <SRGB>
        <Lowerbound></Lowerbound>
        <Upperbound></Upperbound>
      </SRGB>
    </SegmentRouting>
  </SegmentRoutings>
</OSPF>

```

Table description

Item	Description
Feature name	OSPF
Table name	SegmentRoutings
Table type	Multi-instance table
Row name	SegmentRouting
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name.	Index	String. Length: 1 to 31 characters.	N/A
MplsEnable	Whether to enable MPLS SR.	N/A	Boolean: <ul style="list-style-type: none">true—Enables MPLS SR.false—Does not enable MPLS SR.	N/A
AdjacencyEnable	Whether to enable adjacency label allocation.	N/A	Boolean: <ul style="list-style-type: none">true—Enables adjacency label allocation.false—Does not enable adjacency label allocation.	N/A
SRGB	Specifies range of SRGB.	Data structure	Members include: <ul style="list-style-type: none">Lowerbound.Upperbound.	N/A
Lowerbound	Min value of SRGB.	N/A	Unsigned integer. Value range: 16000 to 23999. Default: 16000.	N/A
Upperbound	Max value of SRGB.	N/A	Unsigned integer. Value range: 16001 to 24000. Default: 24000.	N/A

OSPF/DistributeBgpls

This table contains information about OSPF link state advertisement to BGP.

XML structure

```
<OSPF>
  <DistributeBgpls>
    <DistributeBgpls>
      <Name></Name>
```

```

    <TopoId></TopoId>
    <InstanceId></InstanceId>
    <StrictLinkCheck></StrictLinkCheck>
  </DistributeBgpls>
</DistributeBgpls>
</OSPF>

```

Table description

Item	Description
Feature name	OSPF
Table name	DistributeBgpls
Table type	Multi-instance table
Row name	DistributeBgpls
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Instance name.	Index	String. Length: 1 to 31 characters.	N/A
Topold	Topology ID.	Index	Unsigned integer. Value range: 0, 32 to 127 Default: 0.	N/A
Instanceld	Instance ID.	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
StrictLinkCheck	Whether to enable strict link checking.	N/A	Boolean: <ul style="list-style-type: none"> true—Enables strict link checking. false—Does not enable strict link checking. 	N/A

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Columns.....	11

Package

Package/SetBootImage

This table contains information to specify startup software image files for special node.

XML structure

```
<Package>
  <SetBootImage>
    <DeviceNode>
      <Chassis></Chassis>
      <Slot></Slot>
      <CPUID></CPUID>
    </DeviceNode>
    <ImageFiles>
      <Boot></Boot>
      <System></System>
      <Feature></Feature>
    </ImageFiles>
    <IPEFileName></IPEFileName>
    <Type></Type>
    <OverwriteLocalFile></OverwriteLocalFile>
    <DeleteIPEFile></DeleteIPEFile>
  </SetBootImage>
</Package>
```

Table description

Item	Description
Feature name	Package
Table name	SetBootImage
Table type	Single-instance
Row name	None
Restrictions	Image files must already exist in the root directory of storage medium, must on the same device. Mostly an image file path is in the format of storage-medium:/base-filename.bin, you can also include the IRF member ID or slot number information in front of the storage medium segment to specify the node where this image file on.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DeviceNode	Specify a target node of the system.	Data structure	Members include: <ul style="list-style-type: none"> Chassis. Slot. CPUID. 	Optional column, specify a target node which to set all this image files as the startup software image files, if not specify, all suitable nodes will be set.
Chassis	Chassis of a node.	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
Slot	Slot of a node.	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
CPUID	Cpu id of a node.	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
ImageFiles	.bin image file list to set as the startup image files.	Data structure	Members include: <ul style="list-style-type: none"> Boot. System. Feature. 	Column of Feature is optional, but both Boot and System must be included.
Boot	Specifies the file path of a .bin boot image file.	N/A	String. Length: 1 to 127 characters.	N/A
System	Specifies the file path of a .bin system image file.	N/A	String. Length: 1 to 127 characters.	N/A
Feature	Specifies the file path of a .bin feature image file.	N/A	String. Length: 1 to 127 characters.	This column can repeat to specify several feature image files of up to 30.
IPEFileName	Specifies the file path of an .ipe image package file.	N/A	String. Length: 1 to 127 characters.	You could choose either IPEFileName or ImageFiles to specify the startup software image files.
Type	Startup type to set.	N/A	Enumeration: <ul style="list-style-type: none"> 1—main. 2—backup. 	Backup images are used only when main images are not available.
OverwriteLocalFile	Whether overwrite image files when copying.	N/A	Boolean: <ul style="list-style-type: none"> true false 	Optional column, if not specify default is false.
DeleteIPEFile	Whether delete the .ipe image package file after setting it as the next startup image.	N/A	Boolean: <ul style="list-style-type: none"> true false 	Optional column, if not specify default is false.

Package/SetExtendImage

This table contains information to specify startup software image files stored on the device for security engines or PEXs.

XML structure

```
<Package>
  <SetExtendImage>
    <ExtendImage>
      <Model></Model>
      <ImageFiles>
        <Boot></Boot>
        <System></System>
        <Feature></Feature>
      </ImageFiles>
      <IPEFileName></IPEFileName>
      <Type></Type>
      <OverwriteLocalFile></OverwriteLocalFile>
      <DeleteIPEFile></DeleteIPEFile>
    </ExtendImage>
  </SetExtendImage>
</Package>
```

Table description

Item	Description
Feature name	Package
Table name	SetExtendImage
Table type	Multi-instance
Row name	ExtendImage
Restrictions	Image files must already exist in the root directory of storage medium, must on the same device. Mostly an image file path is in the format of storage-medium:/base-filename.bin, you can also include the IRF member ID or slot number information in front of the storage medium segment to specify the node where this image file on.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Model	Specifies the PEX model or	Index	String. Length: 1 to 63 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	the security engine model.			
ImageFiles	.bin image files list to set as the model startup image files.	Data structure	Members include: <ul style="list-style-type: none"> • Boot. • System. • Feature. 	Column of Feature is optional, but both Boot and System must be included.
Boot	Specifies the file path of a .bin boot image file.	N/A	String. Length: 1 to 127 characters.	N/A
System	Specifies the file path of a .bin system image file.	N/A	String. Length: 1 to 127 characters.	N/A
Feature	Specifies the file path of a .bin feature image file.	N/A	String. Length: 1 to 127 characters.	This column can repeat to specifies several feature image files of up to 30.
IPEFileName	Specifies the file path of an .ipe image package file.	N/A	String. Length: 1 to 127 characters.	You could choose either IPEFileName or ImageFiles to speicify the startup software image files.
Type	Model startup type.	N/A	Enumeration: <ul style="list-style-type: none"> • 1—main. • 2—backup. 	Backup images are used only when main images are not available.
OverwriteLocalFile	Whether overwrite image file when copying.	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	Optional column, if not specify default is false.
DeleteIPEFile	Whether delete the .ipe image package file after setting it as the model startup imge file.	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	Optional column, if not specify default is false.

Package/InstallImage

This table contains information to activate or deactivate feature image files or patch file on special node.

XML structure

```

<Package>
  <InstallImage>
    <Action></Action>
    <ImageFiles>
      <Feature></Feature>
    </ImageFiles>
  </InstallImage>
</Package>

```

```

    <PatchFile></PatchFile>
    <OverwriteLocalFile></OverwriteLocalFile>
    <DeviceNode>
        <Chassis></Chassis>
        <Slot></Slot>
        <CPUID></CPUID>
    </DeviceNode>
</InstallImage>
</Package>

```

Table description

Item	Description
Feature name	Package
Table name	InstallImage
Table type	Single-instance
Row name	None
Restrictions	This table only support patch image file and feature image file, only support fileupgrade and service upgrade for feature image file. Image files must already exist in the root directory of storage medium, must on the same device. Mostly an image file path is in the format of storage-medium:/base-filename.bin, you can also include the IRF member ID or slot number information in front of the storage medium segment to specify the node where this image file on.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Action	Specify which action to handle all this image files.	N/A	Enumeration: <ul style="list-style-type: none"> 1—activate. 2—deactivate. 	N/A
ImageFiles	Feature image files list to handle.	Data structure	Members include: <ul style="list-style-type: none"> Feature. 	N/A
Feature	Specifies the file path of a .bin feature image file.	N/A	String. Length: 1 to 127 characters.	This column can repeat to specify several feature image files of up to 30.
PatchFile	Specifies the file path of a .bin patch image file.	N/A	String. Length: 1 to 127 characters.	You could choose either ImageFiles or PatchFile to do the specify action.
OverwriteLoc	Whether	N/A	Boolean:	Optional column, if not

Column name	Column description	Column type	Data type and restrictions	Remarks
alFile	overwrite image file when copying.		<ul style="list-style-type: none"> true false 	specify default is false.
DeviceNode	Specify a target node of the system.	Data structure	Members include: <ul style="list-style-type: none"> Chassis. Slot. CPUID. 	Optional column, specify a target node which to activate or deactivate all images files, if not specify, all suitable nodes will do the action.
Chassis	Chassis of a node.	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
Slot	Slot of a node.	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
CPUID	Cpu id of a node.	N/A	Unsigned integer. Value range: 0 to 65535.	N/A

Package/SetIssuMPUFile

This table contains information to set issu image files for MPUs to update the system.

XML structure

```

<Package>
  <SetIssuMPUFile>
    <ImageFiles>
      <Boot></Boot>
      <System></System>
      <Feature></Feature>
    </ImageFiles>
    <IPEFileName></IPEFileName>
    <OverwriteLocalFile></OverwriteLocalFile>
    <DeleteIPEFile></DeleteIPEFile>
  </SetIssuMPUFile>
</Package>

```

Table description

Item	Description
Feature name	Package
Table name	SetIssuMPUFile
Table type	Single-instance
Row name	None

Restrictions	Image files must already exist in the root directory of storage medium, must on the same device. An image file path must in the format of storage-medium:/base-filename.bin or storage-medium:/base-filename.ipe, should not include the IRF member ID or slot number information in front of the storage medium segment.
--------------	---

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ImageFiles	.bin image file list to set as the MPUs issu image files.	Data structure	Members include: <ul style="list-style-type: none"> • Boot. • System. • Feature. 	N/A
Boot	Specifies the file path of a .bin boot image file	N/A	String. Length: 1 to 63 characters.	N/A
System	Specifies the file path of a .bin system image file.	N/A	String. Length: 1 to 63 characters.	N/A
Feature	Specifies the file path of a .bin feature image file.	N/A	String. Length: 1 to 63 characters.	This column can repeat to specify several feature image files of up to 30.
IPEFileName	Specifies the file path of an .ipe image package file.	N/A	String. Length: 1 to 63 characters.	You could choose either ImageFiles or IPEFileName to specify issu image files for MPUs .
OverwriteLocalFile	Whether overwrite images files when copying.	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	Optional column, if not specify default is false.
DeleteIPEFile	Whether delete the .ipe image package file after decompressing it.	N/A	Boolean: <ul style="list-style-type: none"> • true • false 	Optional column, if not specify default is false.

Package/SetIssuExtendFile

This table contains information to set issu image files for security engines or PEXs to update the system.

XML structure

```
<Package>
  <SetIssuExtendFile>
```

```

<IssuExtendFile>
  <Model></Model>
  <ImageFiles>
    <Boot></Boot>
    <System></System>
    <Feature></Feature>
  </ImageFiles>
  <IPEFileName></IPEFileName>
  <OverwriteLocalFile></OverwriteLocalFile>
  <AutoDeleteFile></AutoDeleteFile>
</IssuExtendFile>
</SetIssuExtendFile>
</Package>

```

Table description

Item	Description
Feature name	Package
Table name	SetIssuExtendFile
Table type	Multi-instance
Row name	IssuExtendFile
Restrictions	Image files must already exist in the root directory of storage medium, must on the same device. Mostly an image file path is in the format of storage-medium:/base-filename.bin, you can also include the IRF member ID or slot number information in front of the storage medium segment to specify the node where this image file on.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Model	Specifies the PEX model or the security engine model	Index	String. Length: 1 to 63 characters.	N/A
ImageFiles	.bin image file list to set as the issu image files for security engines or PEXs.	Data structure	Members include: <ul style="list-style-type: none"> • Boot. • System. • Feature. 	N/A
Boot	Specifies the file path of a .bin boot image file.	N/A	String. Length: 1 to 127 characters.	N/A

System	Specifies the file path of a .bin system image file.	N/A	String. Length: 1 to 127 characters.	N/A
Feature	Specifies the file path of a .bin feature image file.	N/A	String. Length: 1 to 127 characters.	This column can repeat to specify several feature image files of up to 30.
IPEFileName	Specifies the file path of an .ipe image package file.	N/A	String. Length: 1 to 127 characters.	You could choose either ImageFiles or IPEFileName to specify issu image files for security engines or PEXs.
OverwriteLocalFile	Whether overwrite images files when copying.	N/A	Boolean: <ul style="list-style-type: none"> true false 	Optional column, if not specify default is false.
DeleteIPEFile	Whether delete the .ipe image package file after decompressing it.	N/A	Boolean: <ul style="list-style-type: none"> true false 	Optional column, if not specify default is false.

Package/IssuUpgrade

This table contains information to update system step by step. To update the system you can following steps below: firstly make sure the "Status" and the "Action" is all "none" in the table IssuUpgrade(See Comware V7 Package NETCONF XML API Data Reference.docx); secondly specify the ISSU image files for MPUs(see table SetIssuMPUFile), additionally you can also specify ISSU image files for security engines and PEXs if you want to update these devices(see table SetIssuExtendFile); thirdly test all the image files you set, then install after test successfully, after that you can wait until the updating all done or you can roll back to cancel all the updating.

XML structure

```

<Package>
  <IssuUpgrade>
    <Action></Action>
    <Timeout></Timeout>
    <Delay></Delay>
  </IssuUpgrade>
</Package>

```

Table description

Item	Description
Feature name	Package
Table name	IssuUpgrade

Table type	Single-instance
Row name	None
Restrictions	Mostly Action should following step test->install->done, "done" can only set after the previous action have finished successfully or failure.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Action	Specify step to update the system, action of test must be done before install begin.	N/A	Enumeration: <ul style="list-style-type: none"> 1—none 2—test 3—install 4—rollback 5—done 	Action of "none" will be simply be ignored, "test" can collect all information about which way the system will be updated, "install" will start to update the system, "rollback" will cancel all the updating and roll back to the original software versions, "done" will clear all update information and set "Action" and "Status" to "none".
Timeout	Specify the timeout time for an ISSU operation.		Unsigned integer. Value range: 0 to 120. Unit: minute.	Setting this field to 0 disables automatic rollback. The value for this field takes effect only on one ISSU operation. If this field is not set for an ISSU operation, the automatic rollback timer set by using the issu rollback-timer command (45 minutes by default) is used.
Delay	Time that the system waits before starting the ISSU.		Unsigned integer. Value range: 0 to 1440. Unit: minute.	N/A

Package/AddIPE

This table contains information to decompress a .ipe image file to several .bin image files.

XML structure

```
<Package>
  <AddIPE>
```



```

    <IPEFileName></IPEFileName>
    <StorageCard></StorageCard>
    <OverwriteLocalFile></OverwriteLocalFile>
    <DeleteIPEFile></DeleteIPEFile>
  </AddIPE>
</Package>

```

Table description

Item	Description
Feature name	Package
Table name	AddIPE
Table type	Single-instance
Row name	None
Restrictions	An .ipe image file must already exist in the root directory of storage medium. Mostly an image file path is in the format of storage-medium:/base-filename.ipe, you can also include the IRF member ID or slot number information in front of the storage medium segment to specify the node where the .ipe image file on.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IPEFileName	Specifies the file path of an .ipe image package file.	N/A	String. Length: 1 to 127 characters.	N/A
StorageCard	Target storage medium to store the .bin image files.	N/A	String. Length: 1 to 63 characters.	You can include the IRF member ID or slot number information in front of the storage medium segment.
OverwriteLocalFile	Whether overwrite image file if Target storage medium already exist the .bin image file.	N/A	Boolean: <ul style="list-style-type: none"> true false 	Optional column, if not specify default is false.
DeleteIPEFile	Whether delete the .ipe image package file after decompress it.	N/A	Boolean: <ul style="list-style-type: none"> true false 	Optional column, if not specify default is false.

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Package

Package/BootLoaderList

This table contains information of startup software image files for special node.

XML structure

```
<Package>
  <BootLoaderList>
    <BootList>
      <DeviceNode>
        <Chassis></Chassis>
        <Slot></Slot>
        <CPUID></CPUID>
      </DeviceNode>
      <BootType></BootType>
      <ImageFiles>
        <FileName></FileName>
      </ImageFiles>
    </BootList>
  </BootLoaderList>
</Package>
```

Table description

Item	Description
Feature name	Package
Table name	BootLoaderList
Table type	Muti-instance
Row name	BootList
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DeviceNode	Specify a node of the system.	Data structure	Members include: <ul style="list-style-type: none">Chassis.Slot.CPUID.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Chassis	Chassis of a node.	Index	Unsigned integer. Value range: 0 to 65535.	N/A
Slot	Slot of a node.	Index	Unsigned integer. Value range: 0 to 65535.	N/A
CPUID	Cpu id of a node.	Index	Unsigned integer. Value range: 0 to 65535.	N/A
BootType	Specify the startup type	Index	Enumeration: <ul style="list-style-type: none"> 0—current running list 1—main next startup list. 2—backup next startup list. 	Backup images are used only when main images are not available.
ImageFiles	List of startup image files.	Data structure	Members include: <ul style="list-style-type: none"> FileName. 	N/A
FileName	Name of a .bin image file.	N/A	String. Length: 1 to 63 characters.	This column may not occur which mean no image files have set yet, or can repeat of up to 32.

Package/ExtendStartupList

This table contains information about startup software image files stored on the device for security engines or PEXs

XML structure

```

<Package>
  <ExtendStartupList>
    <ExtendList>
      <Model></Model>
      <BootType></BootType>
      <ImageFiles>
        <FileName></FileName>
      </ImageFiles>
    </ExtendList>
  </ExtendStartupList>
</Package>

```

Table description

Item	Description
Feature name	Package
Table name	ExtendStartupList

Table type	Multi-instance
Row name	ExtendList
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Model	PEX model or the security engine model.	Index	String. Length: 0 to 63 characters.	N/A
BootType	Specify the startup type	Index	Enumeration: <ul style="list-style-type: none"> 1—main next startup list. 2—backup next startup list. 	Backup images are used only when main images are not available.
ImageFiles	List of startup image files.	Data structure	Members include: <ul style="list-style-type: none"> FileName. 	N/A
FileName	Name of a .bin image file.	N/A	String. Length: 1 to 63 characters.	This column may not occur which mean no image files have set yet, or can repeat of up to 32.

Package/IssuOpResult

This table contains information of the upgrading status of special node.

XML structure

```

<Package>
  <IssuOpResult>
    <OpResult>
      <DeviceNode>
        <Chassis></Chassis>
        <Slot></Slot>
        <CPUID></CPUID>
      </DeviceNode>
      <UpgradeType></UpgradeType>
      <DevStatus></DevStatus>
      <UpgradeStatus></UpgradeStatus>
      <FailedReason></FailedReason>
    </OpResult>
  </IssuOpResult>
</Package>

```

Table description

Item	Description
Feature name	Package
Table name	IssuOpResult
Table type	Muti-instance
Row name	OpResult
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DeviceNode	Indicate a node of the system.	Data structure	Members include: <ul style="list-style-type: none"> Chassis. Slot. CPUID. 	N/A
Chassis	Chassis of a node.	Index	Unsigned integer. Value range: 0 to 65535.	N/A
Slot	Slot of a node.	Index	Unsigned integer. Value range: 0 to 65535.	N/A
CPUID	Cpu id of a node.	Index	Unsigned integer. Value range: 0 to 65535.	N/A
UpgradeType	Issu upgrde type of this node.	N/A	Enumeration: <ul style="list-style-type: none"> 1—none, indicate this node will not be updated. 2—reboot, indicate the upgrade type of this node is reboot. 3—sequenceReboot, indicate the upgrade type of this node is sequenceReboot. 4—issuReboot, indicate the upgrade type of this node is issuReboot. 5—serviceUpgrade, indicate the upgrade type of this node is serviceUpgrade. 6—fileUpgrade, indicate the upgrade type of this node is fileUpgrade. 7—incompatibleUpgrade, indicate the upgrade type of this node is incompatibleUpgrade. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
DevStatus	Device status of this node.	N/A	Enumeration: <ul style="list-style-type: none"> 1—waiting, this node is waiting to upgrade. 2—inProcess, this node is updating. 3—success, this node have successfully updated. 4—failed, failed to update this node. 	N/A
UpgradeStatus	Issu status of this node.	N/A	Enumeration: <ul style="list-style-type: none"> 1—init 2—loading 3—loaded 4—switching 5—switchover 6—committing 7—committed 8—rollbacking 9—rollbacked 	N/A
FailedReason	Failed reason of this node.	N/A	String. Length: 1 to 192 characters.	Usefully only in failure.

Package/IssuMPUFileList

This table contains information of issu image files for MPUs .

XML structure

```

<Package>
  <IssuMPUFileList>
    <ImageFiles>
      <FileName></FileName>
    </ImageFiles>
    <OverwriteLocalFile></OverwriteLocalFile>
    <DeleteIPEFile></DeleteIPEFile>
  </IssuMPUFileList>
</Package>

```

Table description

Item	Description
Feature name	Package
Table name	IssuMPUFileList
Table type	Single-instance

Row name	None
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ImageFiles	List of issu image files for MPUs.	Data structure	Members include: <ul style="list-style-type: none"> FileName. 	N/A
FileName	Name of a .bin or .ipe image file.	N/A	String. Length: 1 to 63 characters.	This column may not occur which mean no image files have set yet, or can repeat of up to 32.
OverwriteLocalFile	Whether overwrite image files when copying.	N/A	Boolean: <ul style="list-style-type: none"> true false 	Optional column, if not specify default is false.
DeleteIPEFile	Whether delete the .ipe image package file after decompress it.	N/A	Boolean: <ul style="list-style-type: none"> true false 	Optional column, if not specify default is false.

Package/IssuExtendFileList

This table contains information of issu image files for security engines or PEXs.

XML structure

```

<Package>
  <IssuExtendFileList>
    <IssuExtendFile>
      <Model></Model>
      <ImageFiles>
        <FileName></FileName>
      </ImageFiles>
    </IssuExtendFile>
  </IssuExtendFileList>
</Package>

```

Table description

Item	Description
Feature name	Package
Table name	IssuExtendFileList

Table type	Multi-instance
Row name	IssuExtendFile
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Model	PEX model or the security engine model.	Index	String. Length: 1 to 63 characters.	N/A
ImageFiles	List of issu image files for security engines or PEXs.	Data structure	Members include: <ul style="list-style-type: none"> FileName. 	N/A
FileName	Name of a .bin image file.	N/A	String. Length: 1 to 63 characters.	This column may not occur which mean no image files have set yet, or can repeat of up to 32.

Package/IssuUpgrade

This table contains information of the ISSU operating status. After starting to update the system, you can obtain ISSU operating status from this table, you can also get detain information of the upgrading status of each node from the table IssuOpResult.

XML structure

```

<Package>
  <IssuUpgrade>
    <Action></Action>
    <Timeout></Timeout>
    <Status></Status>
    <FailedReason></FailedReason>
    <Delay></Delay>
  </IssuUpgrade>
</Package>

```

Table description

Item	Description
Feature name	Package
Table name	IssuUpgrade
Table type	Single-instance

Row name	None
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Action	Specify step to update the system, action of test must be done before install begin.	N/A	Enumeration: <ul style="list-style-type: none"> 1—none 2—test 3—install 4—rollback 	The Action “none” indicate the system has no did any ISSU operation, “test” means the system is testing all ISSU image files, “install” indicate the system is updating, “rollback” means the system is trying to roll back to the original software versions.
Timeout	Remaining time of the rollback timer for an ISSU operation.	N/A	Unsigned integer. Value range: 0 to 120.	If no ISSU operation is in progress, this field displays the value set by using the issu rollback-timer command.
Status	Upgrading status of the system.	N/A	Enumeration: <ul style="list-style-type: none"> 1—none, system have not started to update. 2—failed, Action is failure. 3—inProgress, Action is in progress. 4—success, Action have successfully done. 5—rollbacking, roll back is in process. 6—rollbacked, successfully roll back to the original software versions. 	N/A
FailedReason	Failed reason of the ISSU operation.	N/A	String. Length: 1 to 192 characters.	Usefully only in failure.
Delay	Time that the system waits before starting the ISSU.	N/A	Unsigned integer. Value range: 0 to 1440. Unit: minute.	N/A

Package/IPEInfo

This table contains information of all .ipe image package files in the system.

XML structure

```
<Package>
  <IPEInfo>
    <InfoList>
      <IPEFileName></IPEFileName>
      <FileName></FileName>
      <Model></Model>
      <Type></Type>
      <Service></Service>
      <FilePlatVersion></FilePlatVersion>
      <FileProductVersion></FileProductVersion>
    </InfoList>
  </IPEInfo>
</Package>
```

Table description

Item	Description
Feature name	Package
Table name	IPEInfo
Table type	Multi-instance
Row name	InfoList
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IPEFileName	.ipe image pckage file in the system.	Index	String. Length: 1 to 127 characters.	File name may include the IRF member ID or slot number information in front of the storage medium segment.
FileName	.bin image file which the .ipe image package file contained.	Index	String. Length: 1 to 63 characters.	N/A
Model	The PEX model or the security engine model, if the .bin image file blond to a PEX or security engine.	N/A	String. Length: 1 to 63 characters.	This column will not occur if the .bin image file belongs to MPUs.

Column name	Column description	Column type	Data type and restrictions	Remarks
Type	Specify the type of this .bin image file.	N/A	Enumeration: <ul style="list-style-type: none"> 0—bin 1—patch 	“bin” means this is a normal .bin image file, “patch” means this is a patch image file.
Service	Specify the attribute of this .bin image file.	N/A	Enumeration: <ul style="list-style-type: none"> 1—boot 2—system 3—feature 	N/A
FilePlatVersion	Platform version of this .bin image file.	N/A	String. Length: 1 to 63 characters.	N/A
FileProductVersion	Product version of this .bin image file.	N/A	String. Length: 1 to 63 characters.	N/A

Package/ImageLists

This table contains information of all the .bin image files in the system.

XML structure

```

<Package>
  <ImageLists>
    <ImageList>
      <FileName></FileName>
      <Model></Model>
      <Type></Type>
      <Service></Service>
      <FilePlatVersion></FilePlatVersion>
      <FileProductVersion></FileProductVersion>
    </ImageList>
  </ImageLists>
</Package>

```

Table description

Item	Description
Feature name	Package
Table name	ImageLists
Table type	Muti-instance
Row name	ImageList
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
FileName	.bin image file in the system.	Index	String. Length: 1 to 127 characters.	File name may include the IRF member ID or slot number information in front of the storage medium segment.
Model	The PEX model or the security engine model, if the .bin image file belongs to a PEX or security engine.	N/A	String. Length: 1 to 63 characters.	This column will not occur if the .bin image file belongs to MPUs.
Type	Specify the type of this .bin image file.	N/A	Enumeration: <ul style="list-style-type: none"> 0—bin 1—patch 	“bin” means this is a normal .bin image file, “patch” means this is a patch image file.
Service	Specify the attribute of this .bin image file.	N/A	Enumeration: <ul style="list-style-type: none"> 1—boot 2—system 3—feature 	N/A
FilePlatformVersion	Platform version of this .bin image file.	N/A	String. Length: 1 to 63 characters.	N/A
FileProductVersion	Product version of this .bin image file.	N/A	String. Length: 1 to 63 characters.	N/A

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PKEY

PKEY/LocalKeys

This table is used to get local public keys.

XML structure

```
<PKEY>
  <LocalKeys>
    <Key>
      <AlgID></AlgID>
      <KeyName></KeyName>
      <Length></Length>
      <CreatedTime></CreatedTime>
      <Value></Value>
    </Key>
  </LocalKeys>
</PKEY>
```

Table description

Item	Description
Feature name	PKEY
Table name	LocalKeys
Table type	Multi-instance table
Row name	Key
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AlgID	Identity of algorithm	Index	Unsigned integer. Value range: 1 to 2 ³² -1.	See table PKEYCapabilities for supported algorithm.
KeyName	Name of local asymmetric key	Index	String. Length: 1 to 64 characters. Case insensitive	N/A
Length	Length of local asymmetric key	N/A	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
CreatedTime	When is the key created	N/A	DateTime. Format:HH:MM:SS YYYY/MM/DDT	N/A
Value	The value of public key	N/A	PKCS#1 formatted hex string.	N/A

PKEY/DefaultLocalKeys

This table is used to get default local public keys.

XML structure

```

<PKEY>
  <DefaultLocalKeys>
    <Key>
      <AlgID></AlgID>
      <Usage></Usage>
      <Length></Length>
      <CreatedTime></CreatedTime>
      <Value></Value>
    </Key>
  </DefaultLocalKeys>
</PKEY>

```

Table description

Item	Description
Feature name	PKEY
Table name	DefaultLocalKeys
Table type	Multi-instance table
Row name	Key
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AlgID	Identity of algorithm	Index	Unsigned integer. Value range: 1 to 2 ³² -1.	See table PKEYCapabilities for supported algorithm.
Usage	Key Usage	Index	Enumeration:	ServerKey is only

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 1—HostKey. 2—ServerKey 	meaningful for RSA, while HostKey is meaningful for all supported algorithms.
Length	Length of local asymmetric key	N/A	Unsigned integer.	N/A
CreatedTime	When is the key created	N/A	DateTime. Format:HH:MM:SS YYYY/MM/DDT	N/A
Value	The value of key	N/A	PKCS#1 formatted hex string.	N/A

PKEY/PeerKeys

This table is used to get peer public keys.

XML structure

```

<PKEY>
  <PeerKeys>
    <Key>
      <PeerKeyName></PeerKeyName>
      <AlgID></AlgID>
      <Length></Length>
      <Value></Value>
    </Key>
  </PeerKeys>
</PKEY>

```

Table description

Item	Description
Feature name	PKEY
Table name	PeerKeys
Table type	Multi-instance table
Row name	Key
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PeerKeyName	Name of peer public key	Index	String. Length: 1 to 31 characters. Case sensitive	N/A
AlgID	Identity of algorithm	N/A	Unsigned integer. Value range: 1 to 2 ³² -1.	See table PKEYCapabilities for supported algorithm.
Length	Length of asymmetric key	N/A	Unsigned integer.	N/A
Value	The value of key	N/A	PKCS#1 formatted hex string.	N/A

PKEY/GetSSHPublicKeys

This table is used to export local public key to SSH formatted data.

XML structure

```
<PKEY>
  <GetSSHPublicKeys>
    <Key>
      <AlgID></AlgID>
      <KeyName></KeyName>
      <FormatID></FormatID>
      <Value></Value>
    </Key>
  </GetSSHPublicKeys>
</PKEY>
```

Table description

Item	Description
Feature name	PKEY
Table name	GetSSHPublicKeys
Table type	Multi -instance table
Row name	Key
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AlgID	Identity of algorithm	Index	Unsigned integer. Value range: 1 to 2 ³² -1.	See table PKEYCapabilities for supported algorithm.
KeyName	Name of local asymmetric key	Index	String. Length: 0 to 64 characters. Case insensitive.	A key name with 0 characters belongs to a default key.
FormatID	Identity of SSH format	Index	Unsigned integer. Value range: 1 to 2 ³² -1.	See table SSHFormats for supported algorithm.
Value	Information of SSH format key	N/A	String. Length: 1 to 2048 characters.	N/A

PKEY/SSHFormats

This table described supported SSH format

XML structure

```

<PKEY>
  <SSHFormats>
    <SSHFormat>
      <FormatID></FormatID>
      <FormatName></FormatName>
    </SSHFormat>
  </SSHFormats>
</PKEY>

```

Table description

Item	Description
Feature name	PKEY
Table name	SSHFormats
Table type	Multi -instance table
Row name	SSHFormat
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
FormatID	Identity of SSH format	Index	Unsigned integer.	N/A
FormatName	Name of supported SSH format	N/A	String. Length: 1 to 255 characters Case insensitive	N/A

PKEY/PKEYCapabilities

This table contains supported PKEY algorithm information

XML structure

```
<PKEY>
  <PKEYCapabilities>
    <PKEYCapability>
      <AlgID></AlgID>
      <AlgName></AlgName>
      <MinLength></MinLength>
      <MaxLength></MaxLength>
      <DefaultLength></DefaultLength>
      <ExportFormatIDList>
        <IDItem></IDItem>
      </ExportFormatIDList>
    </PKEYCapability>
  </PKEYCapabilities>
</PKEY>
```

Table description

Item	Description
Feature name	PKEY
Table name	PKEYCapabilities
Table type	Multi-instance table
Row name	PKEYCapability
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AlgID	Identity of algorithm	Index	Unsigned integer. Value range: 1 to $2^{32}-1$.	N/A
AlgName	Name of algorithm	N/A	String. Length: 1 to 255 characters. Case insensitive.	The name of supported algorithm
MinLength	Minimal length of supported algorithm	N/A	Unsigned integer.	N/A
MaxLength	Maximal length of supported algorithm	N/A	Unsigned integer.	N/A
DefaultLength	Default length of supported algorithm	N/A	Unsigned integer.	N/A
ExportFormatList	Supported export SSH format list	Data structure	Members include: <ul style="list-style-type: none"> IDItem. 	N/A
IDItem	Identity of SSH format	N/A	Unsigned integer. Value range: 1 to $2^{32}-1$	Contains up to 3 IDItem in ExportFormatList .

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Portal

Portal/PortalServers

XMLstructure

```
<Portal>
  <PortalServers>
    <PortalServer>
      <Name></Name>
      <IPAddressInfo>
        <IPAddress></IPAddress>
        <VRF></VRF>
        <Key></Key>
      </IPAddressInfo>
      <Port></Port>
      <Detect>
        <TimeOut></TimeOut>
        <Action></Action>
      </Detect>
      <UserSyncTime></UserSyncTime>
    </PortalServer>
  </PortalServers>
</Portal>
```

Table description

Item	Description
Table description	Portal Server information table
Table type	Multi-instance table
Feature name	Portal
Table name	PortalServers
Row name	PortalServer
Restrictions	No
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Portal server name	Index	String, case-sensitive. Length: 1 to 32 characters.	N/A
IPAddressInfo	Portal server address	Data structure	Members include: IPAddress VRF Key	The IPAddress must be set for this column.
IPAddress	IP address of the portal server	N/A	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated.	N/A
VRF	VRF instance name	N/A	String, case-sensitive. Length: 1 to 31 characters.	If the portal server is on the public network, the length of characters is 0.
Key	Shared secret	N/A	String, case-sensitive. Length: 1 to 64 characters.	The key is used for communication between the portal server and the device. It supports only plaintext.
Port	Port number	N/A	Non-negative integer. Value range: 1 to 65534.	The default is 50100.
Detect	Portal server detection	Data structure	Members include: TimeOut Action	When you set the structure, the Action must be set. The timeout is 60 by default if not set.
TimeOut	Detection timeout	N/A	Non-negative integer. Value range: 10 to 3600 seconds.	The default is 60.
Action	Action to be performed when the detection times out.	N/A	Enumeration: <ul style="list-style-type: none"> 1—log 2—trap 3—Both 	N/A
UserSyncTime	User synchronization time	N/A	Non-negative integer. Value range: 60 to 18000 seconds.	The default is 1200.

Portal/WebServers

XMLstructure

```
<Portal>
  <WebServers>
    <WebServer>
      <Name></Name>
      <Url></Url>
      <Detect>
        <Interval></Interval>
        <Retry></Retry>
        <Action></Action>
      </Detect>
      <VRF></VRF>
      <CaptiveBypass></CaptiveBypass>
    </WebServer>
  </WebServers>
</Portal>
```

Table description

Item	Description
Description	Portal WebServer information table
Table type	Multi-instance table
Feature name	Portal
Table name	WebServers
Row name	WebServer
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Description	Column type	Data type and restrictions	Remarks
Name	Name of the portal Web server	Index	String, case-sensitive. Length: 1 to 32 characters.	N/A
Url	Redirect URL	N/A	String. Length: 1 to 256 characters.	N/A

			Members include:	
Detect	Web server detection	Data structure	<ul style="list-style-type: none"> Interval Retry Action 	The Action must be included.
Interval	Detection interval	N/A	Non-negative integer. Value range: 10 to 1200 seconds.	The default is 20
Retry	Maximum number of server detection attempts.	N/A	Non-negative integer. Value range: 1 to 10.	The default is 3
Action	Action to be performed when the detection attempts reaches the maximum number.	N/A	Enumeration: <ul style="list-style-type: none"> 1—log 2—trap 3—Both 	N/A
VRF	VRF instance name	N/A	String, case-sensitive. Length: 1 to 31 characters.	If the portal Web server is on the public network, the length of characters is 0.
CaptiveBypass	Captive bypass for ios or android	N/A	Enumeration: <ul style="list-style-type: none"> 0—default 1—enable 2—optimize enable 5—ios enable 6—android enable 	N/A

Portal/UrlParams

XML structure

```

<Portal>
  <UrlParams>
    <UrlParam>
      <WebServerName></WebServerName>
      <ParamName></ParamName>
      <ParamType></ParamType>
      <SelfDefValue></SelfDefValue>
    </UrlParam>
  </UrlParams>
</Portal>

```

Table description

Item	Description
Table description	Portal WebServer parameter information table
Table type	Multi-instance table
Feature name	Portal
Table name	UrlParams
Row name	UrlParam
Restrictions	There is no limit on the number of parameters carried in a Web server URL.
Support for row creation and deletion	Yes

Columns

Column name	Description	Column type	Data type and restrictions	Remarks
WebServerName	Name of the portal Web server	Index	String, case-sensitive. Length: 1 to 32 characters.	N/A
ParamName	Parameter name	Index	String, case-sensitive. Length: 1 to 32 characters.	This column configures the parameter name carried in the redirect URL.
ParamType	Parameter type	N/A	Enumeration: <ul style="list-style-type: none">• 0—source-address• 1—source-mac• 2—original-url• 3—selfDefine	This column must be defined.
SelfDefValue	Self-defined parameter	N/A	String. Length: 1 to 256 characters.	This column takes effect when the ParamType is selfDefine.

Portal/FreeRule

XML structure

```
<Portal>
  <FreeRules>
    <FreeRule>
      <RuleID></RuleID>
      <IsAllotID></IsAllotID>
```

```

<Description></Description>
<Layer3>
  <SrcIPAddr></SrcIPAddr>
  <SrcIPAddrLen></SrcIPAddrLen>
  <SrcProtocolType></SrcProtocolType>
  <SrcPortStart></SrcPortStart>
  <SrcPortEnd></SrcPortEnd>
  <DstIPAddr></DstIPAddr>
  <DstIPAddrLen></DstIPAddrLen>
  <DstProtocolType></DstProtocolType>
  <DstPortStart></DstPortStart>
  <DstPortEnd></DstPortEnd>
</Layer3>
<Layer2>
  <SrcIfIndex></SrcIfIndex>
  <SrcVlan></SrcVlan>
  <SrcMacAddr></SrcMacAddr>
</Layer2>
<HostName></HostName>
<ObjGroupName></ObjGroupName>
</FreeRule>
</FreeRules>
</Portal>

```

Table information

Item	Description
Table description	Portal FreeRule information table
Table type	Multi-instance table
Feature name	Portal
Table name	FreeRules
Row name	FreeRule
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Description	Column type	Data type restrictions and	Remarks
RuleID	Portal-free rule number	Index	Non-negative integer.	N/A

IsAllotID	Whether ID is allocated automatically		Boolean:	
			<ul style="list-style-type: none"> • true—Yes • false—No 	N/A
Description	Description for the portal free rule		String,	
			<ul style="list-style-type: none"> • Length: 1 to 255 characters. 	N/A
			Members include:	
Layer3	N/A	Data structure	<ul style="list-style-type: none"> • SrcIPAddr • SrcIPAddrLen • SrcProtocolType • SrcPortStart • SrcPortEnd • DstIPAddr • DstIPAddrLen • DstProtocolType • DstPortStart • DstPortEnd 	N/A
SrcIPAddr	Source IP address	N/A	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated.	IPv4 address example: 1.0.0.1 IPv6 address example: 2001:12::1:2
SrcIPAddrLen	Subnet mask length of the source IP address	N/A	Non-negative integer. Value range: 0 to 128.	When the SrcIPAddr is the IPv4 address type, the value range is 0 to 32. When the SrcIPAddr is the IPv6 address type, the value range is 0 to 128.
SrcProtocolType	Source protocol type	N/A	Enumeration:	When SrcProtocolType is configured, SrcPortStart and SrcPortEnd must be configured and use the same protocol type. Currently, only one port is supported, so SrcPortStart and SrcPortEnd must be the same.
			<ul style="list-style-type: none"> • 6—TCP • 17—UDP 	
SrcPortStart	Start port number for the source protocol	N/A	Non-negative integer. Value range: 0 to 65535.	N/A
SrcPortEnd	End port number for the source protocol	N/A	Non-negative integer. Value range: 0 to 65535.	N/A
DstIPAddr	Destination IP address	N/A	IPv4: String, dotted decimal notation. IPv6: Hexadecimal	IPv4 address example: 1.0.0.1 IPv6 address

			string, colon-separated.	example: 2001:12::1:2
DstIPAddrLen	Subnet mask length of the destination IP address	N/A	Non-negative integer. Value range: 0 to 128.	When DstIPAddr is IPv4 address type, the value range is 0 to 32. When DstPAddr is IPv6 address type, the value range is 0 to 128.
DstProtocolType	Destination protocol type	N/A	Enumeration: <ul style="list-style-type: none"> • 6—TCP • 17—UDP 	When DstProtocolType is configured, DstPortStart and DstPortEnd must be configured and use the same protocol type. Currently, only one port is supported, so DstPortStart and DstPortEnd must be the same.
DstPortStart	Start port number for the destination protocol	N/A	Non-negative integer. Value range: 0 to 65535.	N/A
DstPortEnd	End port number for the destination protocol	N/A	Non-negative integer. Value range: 0 to 65535.	N/A
Layer2	N/A	Data structure	Members include: <ul style="list-style-type: none"> • SrcIfIndex • SrcVlan • SrcMacAddr 	N/A
SrcIfIndex	Source interface index	N/A	Source interface index.	N/A
SrcVlan	Source VLAN	N/A	Non-negative integer. Value range: 1 to 4094.	N/A
SrcMacAddr	Source MAC address	N/A	MAC address in the HH-HH-HH-HH-HH-HH format.	Example: 00-0c-af-e3-5d-c0.
ObjGroupName	Source object group		String, Length: 1 to 31 characters.	N/A
HostName	Host name	N/A	String. Length: 1 to 253 characters.	Case-insensitive and can contains letters, digits, hyphens(-), dots (.), underscores (_), and wildcard(*). It must not be "ip" or "ipv6".

Portal/Interfaces

XML structure

```
<Portal>
  <Interfaces>
    <Interface>
      <IfIndex></IfIndex>
      <AuthorationCheck>
        <Userprofile></Userprofile>
        <Acl></Acl>
      </AuthorationCheck>
      <VsrpInStance></VsrpInStance>
    </Interface>
  </Interfaces>
</Portal>
```

Table description

Item	Description
Table description	Portal interface information table
Table type	Muti-instance table
Feature name	Portal
Table name	Interfaces
Row name	Interface
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	index	Non-negative integer.	N/A
AuthorationCheck	N/A	Data structure	Members include: <ul style="list-style-type: none">UserprofileAcl	N/A
Userprofile	Whether strict check is enabled for the authorized user profile	N/A	Boolean: <ul style="list-style-type: none">true—Yesfalse—No	N/A

Acl	Whether strict check is enabled for authorized ACL	N/A	Boolean: <ul style="list-style-type: none"> true—Yes false—No 	N/A
VsrpInStance	VSRP instance name	N/A	String, case-sensitive. Length: 1 to 31 characters.	N/A

Portal/IPv4Interfaces

XML structure

```

<Portal>
  <IPv4Interfaces>
    <IPv4Interface>
      <IfIndex></IfIndex>
      <Method></Method>
      <WebServer>
        <WebServerName></WebServerName>
        <EscapeEnable></EscapeEnable>
      </WebServer>
      <Domain></Domain>
      <MaxUser></MaxUser>
      <BasIP></BasIP>
      <EscapeSvrName></EscapeSvrName>
      <PreAuthPoolName></PreAuthPoolName>
      <UserDetect>
        <UserDetectType></UserDetectType>
        <UserDetectIdleTime></UserDetectIdleTime>
        <UserDetectInterval></UserDetectInterval>
        <UserDetectRetry></UserDetectRetry>
      </UserDetect>
      <ExtendAuthDomain></ExtendAuthDomain>
      <TempPass>
        <TempPassEnable></TempPassEnable>
        <TempPassPeriod></TempPassPeriod>
      </TempPass>
      <MacSvrName></MacSvrName>
      <PreAuthPolicy></PreAuthPolicy>
    </IPv4Interface>
  </IPv4Interfaces>
</Portal>

```

Table description

Item	Description
Table description	Portal IPv4 interface information table
Table type	Multi-instance table
Feature name	Portal
Table name	IPv4Interfaces
Row name	IPv4Interface
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column name	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	index	Non-negative integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in Ifmgr NETCONF XML API Configuration Reference.
Method	IPv4 portal authentication method	N/A	Enumeration: <ul style="list-style-type: none"> 0—Direct 1—Layer3 2—Redhcp 	N/A
WebServer	N/A	Data structure	Members include: <ul style="list-style-type: none"> WebServerName EscapeEnable 	Both members must be included at the same time.
WebServerName	Name of the IPv4 portal Web server	N/A	String, case-sensitive. Length: 1 to 32 characters.	N/A
EscapeEnable	Whether the fail-permit feature is enabled for the IPv4 portal Web server	N/A	Boolean: <ul style="list-style-type: none"> true—Yes false—No 	N/A
Domain	IPv4 authentication domain	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A
MaxUser	Maximum number of IPv4 users	N/A	Non-negative integer. Value range: 1 to 4294967295.	N/A

BasIP	BAS-IP attribute specified for IPv4 user authentication	N/A	IPv4: String, dotted decimal notation.	N/A
EscapeSvrName	Name of the IPv4 portal server with the fail-permit feature enabled	N/A	String, case-sensitive. Length: 1 to 32 characters.	N/A
PreAuthPoolName	Name of the IPv4 preauthentication user pool	N/A	String, case-insensitive. Length: 1 to 63 characters. Members include:	N/A
UserDetect	N/A	Data structure	<ul style="list-style-type: none"> UserDetectType UserDetectIdleTime UserDetectInterval UserDetectRetry Enumeration:	UserDetectType must be set, and other columns use default settings if not set.
UserDetectType	IPv4 user detection type	N/A	<ul style="list-style-type: none"> 0—ARP 2—ICMP 	N/A
UserDetectIdleTime	IPv4 user detection idle time	N/A	Non-negative integer. Value range: 60 to 3600 seconds.	The default is 180 seconds.
UserDetectInterval	IPv4 user detection interval	N/A	Non-negative integer. Value range: 1 to 1200 seconds.	The default is 3 seconds.
UserDetectRetry	Number of IPv4 user detection attempts	N/A	Non-negative integer. Value range: 1 to 10.	The default is 3.
ExtendAuthDomain	IPv4 extended authentication domain	N/A	String. Length: 1 to 255 characters.	N/A
TempPass	TempPass feature that temporarily permits Internet access	Data structure	Members include: <ul style="list-style-type: none"> TempPassEnable TempPassPeriod Enumeration:	TempPassEnable must be included, and TempPassPeriod uses the default if not set.
TempPassEnable	TempPass status	N/A	<ul style="list-style-type: none"> 0—Disabled 1—Enabled 	N/A
TempPassPeriod	Time interval during which Internet access is permitted	N/A	Unsigned integer. Value range: 10 to 180 seconds. Default: 30 seconds.	N/A
MacSvrName	IPv4 MacTrigger server name		String, case-sensitive. Length: 1 to 32 characters.	N/A
PreAuthPolicy	IPv4 Pre-Auth policy name	N/A	String, case-sensitive. Length: 1 to 255 characters.	N/A

Portal/IPv6Interfaces

XML structure

```
<Portal>
  <IPv6Interfaces>
    <IPv6Interface>
      <IfIndex></IfIndex>
      <Method></Method>
      <WebServer>
        <WebServerName></WebServerName>
        <EscapeEnable></EscapeEnable>
      </WebServer>
      <Domain></Domain>
      <MaxUser></MaxUser>
      <BasIP></BasIP>
      <EscapeSvrName></EscapeSvrName>
      <PreAuthPoolName></PreAuthPoolName>
      <UserDetect>
        <UserDetectType></UserDetectType>
        <UserDetectIdleTime></UserDetectIdleTime>
        <UserDetectInterval></UserDetectInterval>
        <UserDetectRetry></UserDetectRetry>
      </UserDetect>
      <ExtendAuthDomain></ExtendAuthDomain>
      <TempPass>
        <TempPassEnable></TempPassEnable>
        <TempPassPeriod></TempPassPeriod>
      </TempPass>
      <MacSvrName></MacSvrName>
      <PreAuthPolicy></PreAuthPolicy>
    </IPv6Interface>
  </IPv6Interfaces>
</Portal>
```

Table description

Item	Description
Table description	Portal IPv6 interface information table
Table type	Multi-instance table
Feature name	Portal
Table name	IPv6Interfaces

Row name	IPv6Interface
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Non-negative integer.	N/A
Method	IPv6 authentication method	N/A	Enumeration: <ul style="list-style-type: none"> 0.Direct 1.Layer3 	N/A
WebServer	N/A	Data structure	Members include: <ul style="list-style-type: none"> WebServerName EscapeEnable 	Both members must be included at the same time.
WebServerName	IPv6 Web server name	N/A	String, case-sensitive. Length: 1 to 32 characters.	N/A
EscapeEnable	Whether the fail-permit feature is enabled for the IPv6 Web server	N/A	Boolean: <ul style="list-style-type: none"> true—Yes false—No 	N/A
Domain	IPv6 authentication domain	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A
MaxUser	Maximum number of IPv6 users on the interface	N/A	Non-negative integer. Value range: 1 to 4294967295.	N/A
BasIP	BAS-IP attribute specified for IPv6 user authentication	N/A	IPv6: Hexadecimal string, colon-separated.	N/A
EscapeSvrName	Name of the fail-permit enabled IPv6 portal server	N/A	String, case-sensitive. Length: 1 to 32 characters.	N/A
PreAuthPoolName	Name of the IPv6 preauthentication user pool	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
UserDetect	N/A	Data structure	Members include: <ul style="list-style-type: none"> UserDetectType UserDetectIdleTim 	UserDetectType must be set, other columns use default

			e	settings if not set.
			<ul style="list-style-type: none"> UserDetectInterval UserDetectRetry Enumeration:	
UserDetectType	IPv6 user detection type	N/A	<ul style="list-style-type: none"> 1—ND 3—ICMPv6 	N/A
UserDetectIdleTime	IPv6 user detection idle time	N/A	Non-negative integer. Value range: 60 to 3600 seconds.	The default is 180 seconds.
UserDetectInterval	IPv6 user detection interval	N/A	Non-negative integer. Value range: 1 to 1200 seconds.	The default is 3 seconds.
UserDetectRetry	Number of IPv6 user detection attempts	N/A	Non-negative integer. Value range: 1 to 10.	The default is 3.
ExtendAuthDomain	IPv6 extended authentication domain	N/A	String. Length: 1 to 255 characters.	N/A
TempPass	TempPass feature that temporarily permits Internet access	Data structure	Members include: <ul style="list-style-type: none"> TempPassEnable TempPassPeriod 	TempPassEnable must be included, and TempPassPeriod uses the default if not set.
TempPassEnable	TempPass status	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disabled 1—Enabled 	N/A
TempPassPeriod	Time interval during which Internet access is permitted	N/A	Unsigned integer. Value range: 10 to 180 seconds. Default: 30 seconds.	N/A
MacSvrName	IPv6 MacTrigger server name	N/A	String, case-sensitive. Length: 1 to 32 characters.	N/A
PreAuthPolicy	IPv6 Pre-Auth policy name	N/A	String, case-sensitive. Length: 1 to 255 characters.	N/A

Portal/IPv4ServiceTemplates

This table contains portal IPv4 service template information.

XML structure

```

<Portal>
  <IPv4ServiceTemplates>
    <IPv4ServiceTemplate>
      <Name></Name>
      <Method></Method>
    </IPv4ServiceTemplate>
  </IPv4ServiceTemplates>
</Portal>

```

```

<WebServer>
  <WebServerName></WebServerName>
  <EscapeEnable></EscapeEnable>
</WebServer>
<Domain></Domain>
<MaxUser></MaxUser>
<BasIP></BasIP>
<EscapeSvrName></EscapeSvrName>
<UserDetect>
  <UserDetectType></UserDetectType>
  <UserDetectIdleTime></UserDetectIdleTime>
  <UserDetectInterval></UserDetectInterval>
  <UserDetectRetry></UserDetectRetry>
</UserDetect>
<ExtendAuthDomain></ExtendAuthDomain>
<TempPass>
  <TempPassEnable></TempPassEnable>
  <TempPassPeriod></TempPassPeriod>
</TempPass>
<MacSvrName></MacSvrName>
</IPv4ServiceTemplate>
</IPv4ServiceTemplates>
</Portal>

```

Table description

Item	Description
Feature name	Portal
Table name	IPv4ServiceTemplates
Table type	Multi-instance table
Row name	IPv4ServiceTemplate
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Service template name	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A

			Enumeration:	
Method	IPv4 portal authentication method	N/A	<ul style="list-style-type: none"> 0—Direct 1—Layer3 2—Redhcp 	N/A
WebServer	N/A	Data structure	Members include: WebServerName EscapeEnable	Both members must be included at the same time.
WebServerName	IPv4 portal Web server name	N/A	String, case-sensitive. Length: 1 to 32 characters.	N/A
EscapeEnable	Enable the fail-permit feature for the IPv4 Web server	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
Domain	IPv4 authentication domain	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A
MaxUser	Maximum number of IPv4 users	N/A	Unsigned integer. Value range: 1 to 4294967295.	N/A
BasIP	BAS-IP attribute specified for IPv4 user authentication	N/A	IPv4: String, dotted decimal notation.	N/A
EscapeSvrName	Name of the fail-permit enable IPv4 portal server	N/A	String, case-sensitive. Length: 1 to 32 characters.	N/A
UserDetect	N/A	Data structure	Members include: UserDetectType UserDetectIdleTime UserDetectInterval UserDetectRetry	UserDetectType must be included, and other columns are specified as default if not set.
UserDetectType	IPv4 user detection type	N/A	Enumeration: <ul style="list-style-type: none"> 0—ARP 2—ICMP 	N/A
UserDetectIdleTime	IPv4 user detection idle time	N/A	Unsigned integer. Value range: 60 to 3600 seconds. Default: 180 seconds.	N/A
UserDetectInterval	IPv4 user detection time interval	N/A	Unsigned integer. Value range: 1 to 1200 seconds. Default: 3 seconds.	N/A
UserDetectRetry	Number of IPv4 user detection	N/A	Unsigned integer. Value range: 1 to 10. Default: 3.	N/A

	attempts			
ExtendAuthDomain	IPv4 extended authentication domain	N/A	String. Length: 1 to 255 characters.	N/A
TempPass	TempPass Feature that temporarily permits internet access	Data structure	Members include: <ul style="list-style-type: none"> TempPassEnable TempPassPeriod 	TempPassEnable must be included and TempPassPeriod uses the default if not set.
TempPassEnable	TempPass status	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disabled 1—Enabled 	N/A
TempPassPeriod	Time interval During which internet access is permitted	N/A	Value range: 10 to 180 seconds. Default: 30 seconds.	N/A
MacSvrName	IPv4 MacTrigger server name	N/A	String, case-sensitive. Length: 1 to 32 characters.	N/A

Portal/IPv6ServiceTemplates

This table contains portal IPv6 service template information.

XML structure

```

<Portal>
  <IPv6ServiceTemplates>
    <IPv6ServiceTemplate>
      <Name></Name>
      <Method></Method>
      <WebServer>
        <WebServerName></WebServerName>
        <EscapeEnable></EscapeEnable>
      </WebServer>
      <Domain></Domain>
      <MaxUser></MaxUser>
      <BasIP></BasIP>
      <EscapeSvrName></EscapeSvrName>
      <UserDetect>
        <UserDetectType></UserDetectType>
        <UserDetectIdleTime></UserDetectIdleTime>
        <UserDetectInterval></UserDetectInterval>
        <UserDetectRetry></UserDetectRetry>
      </UserDetect>
      <ExtendAuthDomain></ExtendAuthDomain>
      <TempPass>

```

```

        <TempPassEnable></TempPassEnable>
        <TempPassPeriod></TempPassPeriod>
    </TempPass>
    <MacSvrName></MacSvrName>
</IPv6ServiceTemplate>
</IPv6ServiceTemplates>
</Portal>

```

Table description

Item	Description
Feature name	Portal
Table name	IPv6ServiceTemplates
Table type	Multi-instance table
Row name	IPv6ServiceTemplate
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Service template name	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A
Method	IPv6 portal authentication method	N/A	Enumeration: <ul style="list-style-type: none"> 0—Direct 1—Layer3 	N/A
WebServer	N/A	Data structure	Members include: <ul style="list-style-type: none"> WebServerName EscapeEnable 	Both members must be included at the same time.
WebServerName	IPv6 Web server name	N/A	String, case-sensitive. Length: 1 to 32 characters.	N/A
EscapeEnable	Enable the fail-permit feature for the IPv6 Web server	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	N/A
Domain	IPv6 authentication domain	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A
MaxUser	Maximum number of IPv6 users	N/A	Unsigned integer. Value range: 1 to 4294967295.	N/A
BasIP	BAS-IP attribute specified for	N/A	IPv6: Hexadecimal string, colon-separated.	N/A

	IPv6 user authentication				
EscapeSvrName	Name of the fail-permit enabled IPv6 portal server	N/A		String, case-sensitive. Length: 1 to 32 characters.	N/A
UserDetect	N/A	Data structure		Members include: UserDetectType UserDetectIdleTime UserDetectInterval UserDetectRetry	UserDetectType must be included, and other columns are specified as default if not set.
UserDetectType	IPv6 user detection type	N/A		Enumeration: <ul style="list-style-type: none"> 1—ND 3—ICMPv6 	N/A
UserDetectIdleTime	IPv6 user detection idle time	N/A		Unsigned integer. Value range: 60 to 3600 seconds. Default: 180 seconds.	N/A
UserDetectInterval	IPv6 user detection time interval	N/A		Unsigned integer. Value range: 1 to 1200 seconds. Default: 3 seconds.	N/A
UserDetectRetry	Number of IPv6 user detection attempts	N/A		Unsigned integer. Value range: 1 to 10. Default: 3.	N/A
ExtendAuthDomain	IPv6 extended authentication domain	N/A		String. Length: 1 to 255 characters.	N/A
TempPass	TempPass Feature that temporarily permits Internet access	Data structure		Members include: <ul style="list-style-type: none"> TempPassEnable TempPassPeriod 	TempPassEnable must be included and TempPassPeriod uses the default if not set.
TempPassEnable	TempPass status	N/A		Enumeration: <ul style="list-style-type: none"> 0—Disabled 1—Enabled 	N/A
TempPassPeriod	Time interval During which Internet access is permitted	N/A		Value range: 10 to 180 seconds. Default: 30 seconds.	N/A
MacSvrName	IPv6 MacTrigger Server Name	N/A		String, case-sensitive. Length: 1 to 32 characters.	N/A

Portal/WebRedirects

XML structure

```
<Portal>
```

```

<WebRedirects>
  <WebRedirect>
    <IfIndex></IfIndex>
    <IPv4WebRedirect>
      <IPv4WebRedirectUrl></IPv4WebRedirectUrl>
      <IPv4WebRedirectInterVal></IPv4WebRedirectInterVal>
    </IPv4WebRedirect>
    <IPv6WebRedirect>
      <IPv6WebRedirectUrl></IPv6WebRedirectUrl>
      <IPv6WebRedirectInterVal></IPv6WebRedirectInterVal>
    </IPv6WebRedirect>
  </WebRedirect>
</WebRedirects>
</Portal>

```

Table description

Item	Description
Table description	Portal WebRedirects information table
Table type	Multi-instance table
Feature name	Portal
Table name	WebRedirects
Row name	WebRedirect
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Non-negative integer. Members include:	N/A
IPv4WebRedirect	N/A	Data structure	<ul style="list-style-type: none"> IPv4WebRedirectUrl IPv4WebRedirectInterVal 	N/A
IPv4WebRedirectUrl	Redirect URL for IPv4 users	N/A	String, case-sensitive. Length: 1 to 256 characters.	N/A
IPv4WebRedirectInterVal	URL redirect interval for IPv4 users	N/A	Non-negative integer. Value range: 60 to 86400 seconds.	The default is 86400 seconds.
IPv6WebRedirect	N/A	Data structure	Members include:	N/A

			<ul style="list-style-type: none"> IPv6WebRedirectUrl IPv6WebRedirectIntervalVal 	
IPv6WebRedirectUrl	Redirect URL for IPv6 users	N/A	String, case-sensitive. Length: 1 to 256 characters.	N/A
IPv6WebRedirectIntervalVal	URL redirect interval for IPv6 users	N/A	Non-negative integer. Value range: 60 to 86400 seconds.	The default is 86400 seconds.

Portal/Ipv4AuthNetworks

XML structure

```

<Portal>
  <IPv4AuthNetWorks>
    <IPv4AuthNetWork>
      <IfIndex></IfIndex>
      <SrcAuthAddr></SrcAuthAddr>
      <SrcAuthMask></SrcAuthMask>
      <DstAuthAddr></DstAuthAddr>
      <DstAuthMask></DstAuthMask>
    </IPv4AuthNetWork>
  </IPv4AuthNetWorks>
</Portal>

```

Table description

Item	Description
Table description	Portal IPv4 authentication-network table
Table type	Multi-instance table
Feature name	Portal
Table name	IPv4AuthNetWorks
Row name	IPv4AuthNetWork
Restrictions	NO
Support for row creation and deletion	YES

Columns

Column name	Description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	index	Non-negative integer.	N/A
SrcAuthAddr	Source authentication network address for IPv4 users	N/A	IPv4: String, dotted decimal notation.	N/A
SrcAuthMask	Subnet mask length of the source authentication network for IPv4 users	N/A	Non-negative integer. Value range: 1 to 32.	N/A
DstAuthAddr	Destination authentication network address for IPv4 users	N/A	IPv4: String, dotted decimal notation.	N/A
DstAuthMask	Subnet mask length of the destination authentication network for IPv4 users	N/A	Non-negative integer. Value range: 1 to 32.	N/A

Portal/Ipv6AuthNetworks

XML structure

```

<Portal>
  <IPv6AuthNetWorks>
    <IPv6AuthNetWork>
      <IfIndex></IfIndex>
      <SrcAuthAddr></SrcAuthAddr>
      <SrcAuthPrefix></SrcAuthPrefix>
      <DstAuthAddr></DstAuthAddr>
      <DstAuthPrefix></DstAuthPrefix>
    </IPv6AuthNetWork>
  </IPv6AuthNetWorks>
</Portal>

```

Table description

Item	Description
Table description	Portal IPv6 authentication-network table
Table type	Multi-instance table
Feature name	Portal
Table name	IPv6AuthNetWorks
Row name	IPv6AuthNetWork
Restrictions	No
Support for row creation and deletion	Yes

Columns

Column name	Column name	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	index	Non-negative integer.	N/A
SrcAuthAddr	Source authentication network address for IPv6 users	N/A	IPv6: Hexadecimal string, colon-separated.	N/A
SrcAuthPrefix	Prefix length of the source authentication network for IPv6 users	N/A	Non-negative integer. Value range: 1 to 128.	N/A
DstAuthAddr	Destination authentication network address for IPv6 users	N/A	IPv6: Hexadecimal string, colon-separated.	N/A
DstAuthPrefix	Prefix length of the destination authentication network for IPv6 users	N/A	Non-negative integer. Value range: 1 to 128.	N/A

Portal/GlobalConf

XML structure

```
<Portal>
  <GlobalConf>
    <RoamEnable></RoamEnable>
```

```

    <NasPortIdFormat></NasPortIdFormat>
    <VsrpPort></VsrpPort>
    <MaxUser></MaxUser>
    <ClientGatewayIfIndex></ClientGatewayIfIndex>
    <CaptiveOptDelay></CaptiveOptDelay>
  </GlobalConf>
</Portal>

```

Table description

Item	Description
Table description	Portal GlobalConf information table
Table type	Multi-instance table
Feature name	Portal
Table name	GlobalConf
Row name	None
Restrictions	None
Support for row creation and deletion	None

Columns

Column name	Description	Column type	Data type and restrictions	Remarks
RoamEnable	Whether the portal roaming feature is enabled	N/A	Boolean: <ul style="list-style-type: none"> true—Yes false—No 	N/A
NasPortIdFormat	Format of the NAS-Port-ID attribute	N/A	Enumeration: <ul style="list-style-type: none"> 1—Format1 2—Format2 3—Format3 4—Format4 	N/A
VsrpPort	TCP port for portal backup	N/A	Non-negative integer. Value range: 1 to 65535.	N/A
MaxUser	Maximum number of users on the device	N/A	Non-negative integer. The value range: 1 to 4294967295.	N/A
ClientGatewayIfIndex	Index of the gateway interface for clients to access the AC	N/A	Non-negative integer	N/A

CaptiveOptDelay	The timeout time for optimized captive bypass feature	N/A	Non-negative integer Value rang: 6 to 60 seconds Default: 6 seconds	N/A
-----------------	---	-----	---	-----

Portal/ProxyConf

XML structure

```

<Portal>
  <ProxyConf>
    <Enable></Enable>
    <SourceIP></SourceIP>
    <PortalServerPort></PortalServerPort>
    <MacTriggerServerIP></MacTriggerServerIP>
    <MacTriggerServerPort></MacTriggerServerPort>
  </ProxyConf>
</Portal>

```

Table description

Item	Description
Table description	Portal proxy configuration table
Table type	Single-instance table
Feature name	Portal
Table name	PorxyConf
Row name	None
Restrictions	None
Support for row creation and deletion	None

Columns

Column name	Description	Column type	Data type and restrictions	Remarks
Enable	Enable the portal proxy feature	N/A	Boolean: <ul style="list-style-type: none"> true—Yes false—No 	N/A
SourceIP	Source IP address	N/A	IPv4: String, dotted decimal notation.	This column specifies the source address for the packets actively sent to the server. The IP address of the output interface is used if not

				specified.
PortalServerPort	Destination port	N/A	Non-negative integer. Value range: 1 to 65535.	This column specifies the destination port on the device. The default port is 2000.
MacTriggerServerIP	IP address of the MAC binding server	N/A	IPv4: String, dotted decimal notation.	By default, the device does not specify the IP address and port number of the MAC binding server.
MacTriggerServerPort	Port number of the MAC binding server	N/A	Non-negative integer. Value range: 1 to 65535.	The default port number is 50100.

Portal/LocalWebServers

XML structure

```

<Portal>
  <LocalWebServers>
    <LocalWebServer>
      <Type></Type>
      <SSLServerPolicy></SSLServerPolicy>
      <DefLogonPage></DefLogonPage>
      <TCPPort></TCPPort>
    </LocalWebServer>
  </LocalWebServers>
</Portal>

```

Table description

Item	Description
Table description	Portal LocalWebServer information table
Table type	Multi-instance table
Feature name	Portal
Table name	LocalWebServers
Row name	PortalServer
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Description	Column type	Data type and restrictions	Remarks
Type	Protocol type	Index	Enumeration: <ul style="list-style-type: none">0—HTTP1—HTTPS	This column configures the protocol used between the local portal Web server and the client.
SSLServerPolicy	SSL server policy name	N/A	String, case-insensitive. Length: 1 to 31 characters.	This column takes effect only when the Type is HTTPS.
DefLogonPage	Default authentication page file	N/A	String. Length: 1 to 91 characters.	Case-sensitive and contains letters, digits, dots (.), and underscores (_).
TCPPort	TCP port number	N/A	Non-negative integer. Value range: 1 to 65535.	The default HTTP listening port number is 80 and the default HTTPS listening port number is 443.

Portal/ SelfDefSsidPage

This table contains information about the self-defined SSID page file.

XML structure

```
<Portal>
  <SelfDefSsidPages>
    <SelfDefSsidPage>
      <Type></Type>
      <ssid></ssid>
      <LogonPageFile></LogonPageFile>
    </SelfDefSsidPage>
  </SelfDefSsidPages>
</Portal>
```

Table description

Item	Description
Feature name	Portal
Table name	SelfDefSsidPages
Table type	Multi-instance table
Row name	SelfDefSsidPage
Restrictions	Local portal server can configure self-defined SSID page file
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Type	Protocol type	Index	Enumeration: <ul style="list-style-type: none">0—HTTP.1—HTTPS.	This column configures the protocol type for the local Web server.
ssid	SSID name	Index	String, case-sensitive. Length: 1 to 32 characters.	This column assigns a specific SSID to the designated page file.
LogonPageFile	Authentication page file	N/A	String, including letters, numbers, and underscores(_). Length: 1 to 91 characters.	N/A

Portal/SelfDefDevTypePage

This table contains information about the self-defined device type page file.

XML structure

```
<Portal>
  <SelfDefDevTypePages>
    <SelfDefDevTypePage>
      <Type></Type>
      <DeviceType></DeviceType>
      <LogonPageFile></LogonPageFile>
    </SelfDefDevTypePage>
  </SelfDefDevTypePages>
</Portal>
```

Table description

Item	Description
Feature name	Portal
Table name	SelfDefDevTypePages
Table type	Multi-instance table
Row name	SelfDefDevTypePage
Restrictions	Local portal server can configure self-defined device type page file
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Type	Protocol type	Index	Enumeration: <ul style="list-style-type: none">0—HTTP.1—HTTPS.	This column configures the protocol type for the local Web server.
DeviceType	Device type	Index	String, case-sensitive. Length: 1 to 127 characters.	This column assigns a specific device type to the designated page file.
LogonPageFile	Authentication page file.	N/A	String, including letters, numbers, and underscores (_). Length: 1 to 91 characters.	N/A

Portal/SelfDefPage

This table contains information about the self-defined page file.

XML structure

```
<Portal>
  <SelfDefPages>
    <SelfDefPage>
      <Type></Type>
      <ssid></ssid>
      <DeviceType></DeviceType>
      <LogonPageFile></LogonPageFile>
    </SelfDefPage>
  </SelfDefPages>
</Portal>
```

Table description

Item	Description
Feature name	Portal
Table name	SelfDefPages
Table type	Multi-instance table
Row name	SelfDefPage
Restrictions	Local portal server can configure self-defined SSID and device type page file.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Type	Protocol type	Index	Enumeration: <ul style="list-style-type: none">• 0—HTTP.• 1—HTTPS.	This column configures the protocol type for the local Web server.
ssid	SSID name	Index	String, case-sensitive. Length: 1 to 32 characters.	This column assigns a specific SSID to the designated page file.
DeviceType	Device type	Index	String, case-sensitive. Length: 1 to 127 characters.	This column assigns a specific device type to the designated page file.
LogonPageFile	Authentication page file.	N/A	String, including letters, numbers, and underscores (_). Length: 1 to 91 characters.	N/A

Portal/ExtendAuthServers

This table contains information about portal extended authentication servers.

XML structure

```
<Portal>
  <ExtendAuthServers>
    <ExtendAuthServer>
      <Type></Type>
      <AuthUrl></AuthUrl>
      <AppId></AppId>
      <AppKey></AppKey>
      <RedirectUrl></RedirectUrl>
      <MailProtocol></MailProtocol>
      <MailDomain>
        <MailDomainName></MailDomainName>
      </MailDomain>
    </ExtendAuthServer>
  </ExtendAuthServers>
</Portal>
```

Table description

Item	Description
Feature name	Portal
Table name	ExtendAuthServers
Table type	Multi-instance table
Row name	ExtendAuthServer
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Type	Extended authentication service type	Index	Enumeration: <ul style="list-style-type: none"> 0—QQ. 1—Mail. String.	N/A
AuthUrl	Authentication URL	N/A	Length: 1 to 256 characters. Default: https://graph.qq.com (when the Type field is specified as 0).	This column takes effect only when the Type field is specified as 0.
AppId	App ID which supports for extended authentication	N/A	String. Length: 1 to 32 characters.	This column takes effect only when the Type field is specified as 0. The default value is the App ID of the Lvzhou application in the QQ open platform.
AppKey	The key of App ID	N/A	String. Length: 1 to 64 characters.	This column takes effect only when the Type field is specified as 0, and can only be used as plain text input and cannot return to users. The default value is the App key of the Lvzhou application in the QQ open platform.
RedirectUrl	Authentication redirect URL	N/A	String. Length: 1 to 256 characters.	This column takes effect only when the Type field is specified as 0. The default value is the callback address

				of the Lvzhou application in the QQ open platform.
MailProtocol	Mail authentication protocol type	N/A	Enumeration: <ul style="list-style-type: none"> 1—POP3. 2—IMAP. 3—POP3 and IMAP. 	This column takes effect only when the Type field is specified as 1.
MailDomain	Mail domain	Data structure	Members include: <ul style="list-style-type: none"> MailDomainName 	This column takes effect only when the Type field is specified as 1. MailDomainName must be set. You can specify 1 to 16 domain names.
MailDomainName	Mail domain name	N/A	String. Length: 1 to 255 characters	The value of the column must be the Email domain format. For example: @qq.com.

Portal/MacServer

This table contains information about portal mac trigger servers.

XML structure

```

<Portal>
  <MacTriggerServers>
    <MacTriggerServer>
      <Name></Name>
      <IPAddressInfo>
        <IPAddress></IPAddress>
        <VRF></VRF>
        <Key></Key>
      </IPAddressInfo>
      <Threshold></Threshold>
      <NasType></NasType>
      <MacSvrPort></MacSvrPort>
      <Detect>
        <MacSvrRetries></MacSvrRetries>
        <MacSvrRetryInterval></MacSvrRetryInterval>
      </Detect>
      <MacServerType></MacServerType>
      <Version></Version>
      <MacSvrAuthTimeOut></MacSvrAuthTimeOut>
      <AgingTime></AgingTime>
    </MacTriggerServer>
  </MacTriggerServers>
</Portal>

```



```

    <LocalBindingEnable></LocalBindingEnable>
    <LocalBindingAgingTime></LocalBindingAgingTime>
    <CloudBindingEnable></CloudBindingEnable>
    </MacTriggerServer>
  </MacTriggerServers>
</portal>

```

Table description

Item	Description
Feature name	Portal
Table name	MacTriggerServers
Table type	Multi-instance table
Row name	MacTriggerServer
Restrictions	None

Columns

Column name	Description	Column type	Data type and restrictions	Remarks
Name	Portal mac-trigger server name	Index	String, case-sensitive. Length: 1 to 32 characters.	N/A
IPAddressInfo	Portal mac-trigger server address	Data structure	Members include: IPAddress VRF	N/A
IPAddress	IP address of the portal mac-trigger server	N/A	IPv4: String, dotted decimal notation.	N/A
VRF	VRF instance name	N/A	String, case-sensitive. Length: 1 to 31 characters.	If the portal mac-trigger server is on the public network, the length of characters is 0.
Key	Shared secret	N/A	String, case-sensitive. Length: 1 to 64 characters.	The key is used for communication between the portal mac-trigger server and the device. It supports only plaintext.
Threshold	the threshold for MAC-triggered authentication	N/A	Unsigned integer. Value range: 0 to 10240000	The default free-traffic threshold is 0 bytes.
NasType	NAS-Port-Type value	N/A	Unsigned integer. Value range: 1 to 255	The default NAS-Port-Type value carried in

				RADIUS requests is 0.
MacSvrPort	UDP port number	N/A	Unsigned integer. Value range: 1 to 65534	The default MAC binding server listens for MAC binding query packets on UDP port 50100.
Detect	Portal Mac-trigger server detection	Data structure	Members include: <ul style="list-style-type: none"> • Retry • Interval 	N/A
MacSvrRetries	Maximum number of portal Mac-trigger server detection attempts	N/A	Unsigned integer. Value range: 1~10	The default maximum number of query attempts is 3.
MacSvrRetryInterval	Detection interval	N/A	Unsigned integer. Value range:1~60	The default maximum number of query interval is 1 second.
MacServerType	a MAC binding server type	N/A	Boolean: <ul style="list-style-type: none"> • 0.imc • 1.cmcc 	The default type of a MAC binding server is IMC.
Version	Version number	N/A	Unsigned integer. Value range:1~3	The default version of the portal protocol is 1.
MacSvrAuthTimeOut	Set the timeout time the device waits for portal authentication to complete	N/A	Unsigned integer. Value range:1~15	The default portal authentication timeout time is 3 minutes.
AgingTime	Set the aging time for MAC-trigger entries	N/A	Unsigned integer. Value range:60~7200	The default aging time for MAC-trigger entries is 300 seconds.
LocalBindingEnable	enable portal MAC-Trigger local-binding	N/A	Boolean: <ul style="list-style-type: none"> • true—Yes • false—No 	N/A
LocalBindingAgingTime	the aging time for MAC-trigger local-binding entry	N/A	Unsigned integer. Value range:1~2160	N/A
CloudBindingEnable	Enable portal MAC-Trigger cloud binding	N/A	Boolean: <ul style="list-style-type: none"> • true—Yes • false—No 	N/A

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Portal

Portal/PortalServers

XML structure

```
<Portal>
  <PortalServers>
    <PortalServer>
      <Name></Name>
      <IPAddressInfo>
        <IPAddress></IPAddress>
        <VRF></VRF>
      </IPAddressInfo>
      <Port></Port>
      <Detect>
        <TimeOut></TimeOut>
        <Action></Action>
      </Detect>
      <UserSyncTime></UserSyncTime>
      <Status></Status>
    </PortalServer>
  </PortalServers>
</Portal>
```

Table description

Item	Description
Table description	Portal Server information table
Table type	Multi-instance table
Feature name	Portal
Table name	PortalServers
Row name	PortalServer
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Portal server name	Index	String, case-sensitive. Length:1 to32characters.	N/A
IPAddressInfo	Portal server	Data	Members include:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	address	structure	<ul style="list-style-type: none"> IPAddress VRF 	
IPAddress	IP address of the portal server	N/A	IPv4:String,dotted decimal notation. IPv6: Hexadecimal string, colon-separated.	N/A
VRF	VRF instance name	N/A	String, case-sensitive. Length:1 to 31 characters.	N/A
Port	Port number	N/A	Value range: 1 to 65534.	N/A
Detect	Portal server detection	Data structure	Members include: <ul style="list-style-type: none"> TimeOut Action 	N/A
TimeOut	Detect timeout	N/A	Value range: 10 to 3600 seconds.	N/A
Action	Action to be performed when the detection times out	N/A	Enumeration: <ul style="list-style-type: none"> 1—log 2—trap 3—Both 	N/A
UserSyncTime	User synchronization time	N/A	Non-negative integer. Value range: 60 to 18000 seconds.	N/A
Status	Status of the portal server	N/A	Enumeration: <ul style="list-style-type: none"> 0—Up 1—Down 	N/A

Portal/WebServer

XMLstructure

```

<Portal>
  <WebServers>
    <WebServer>
      <Name></Name>
      <Url></Url>
      <Detect>
        <Interval></Interval>
        <Retry></Retry>
        <Action></Action>
      </Detect>
      <VRF></VRF>
      <CaptiveBypass></CaptiveBypass>
      <IPv4Status></IPv4Status>
      <IPv6Status></IPv6Status>
    </WebServer>
  </WebServers>
</Portal>

```

```
</WebServers>
</Portal>
```

Table description

Item	Description
Description	Portal WebServer information table
Table type	Multi-instance table
Feature name	Portal
Table name	WebServers
Row name	WebServer

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the portal Web server	Index	String, case-sensitive. Length: 1 to 32 characters.	N/A
Url	Redirect URL	N/A	String. Length: 1 to 256 characters.	N/A
Detect	Portal Web server detection	Data structure	Members include: <ul style="list-style-type: none"> Interval Retry Action 	N/A
Interval	Detection interval	N/A	Non-negative integer. Value range: 10 to 1200 seconds.	N/A
Retry	Maximum number of portal Web server detection attempts	N/A	Non-negative integer. Value range: 1 to 10.	N/A
Action	Action to be performed when server detection reaches the maximum number	N/A	Enumeration: <ul style="list-style-type: none"> 1—log 2—trap 3—Both 	N/A
VRF	VRF instance name	N/A	String, case-sensitive. Length: 1 to 31 characters.	N/A
CaptiveBypass	Captive bypass for ios or android	N/A	Enumeration: <ul style="list-style-type: none"> 0—default 1—enable 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 2—optimize enable 5—ios enable 6—android enable 	
IPv4Status	Status of the IPv4 portal Web server	N/A	Enumeration: <ul style="list-style-type: none"> 0—Up 1—Down 	N/A
IPv6Status	Status of the IPv6 portal Web server	N/A	Enumeration: <ul style="list-style-type: none"> 0—Up 1—Down 	N/A

Portal/UrlParams

XMLstructure

```

<Portal>
  <UrlParams>
    <UrlParam>
      <WebServerName></WebServerName>
      <ParamName></ParamName>
      <ParamType></ParamType>
      <SelfDefValue></SelfDefValue>
    </UrlParam>
  </UrlParams>
</Portal>

```

Table description

Item	Description
Table description	Portal WebServer parameter information table
Table type	Multi-instance table
Feature name	Portal
Table name	UrlParams
Row name	UrlParam
Restrictions	There is no limit on the number of parameters carried in a Web server URL.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
WebServerName	Name of the portal Web server	Index	String, case-sensitive. Length: 1 to 32 characters.	This column configures the protocol type for the local portal Web server.

Column name	Column description	Column type	Data type and restrictions	Remarks
ParamName	Parameter name	Index	String, case-sensitive. Length: 1 to 32 characters.	This column assigns a specific SSID to the designated page file.
ParamType	Parameter type	N/A	Enumeration: <ul style="list-style-type: none"> 0—source-address 1—source-mac 2—original-url 3—selfDefine 	This column assigns a specific device type to the designated page file.
SelfDefValue	Self-defined parameter	N/A	String Length: 1 to 256 characters.	N/A
WebServerName	Name of the portal Web server	Index	String, case-sensitive. Length: 1 to 32 characters.	N/A

Portal/FreeRule

XMLstructure

```

<Portal>
  <FreeRules>
    <FreeRule>
      <RuleID></RuleID>
      <IsAllotID></IsAllotID>
      <Description></Description>
      <Layer3>
        <SrcIPAddr></SrcIPAddr>
        <SrcIPAddrLen></SrcIPAddrLen>
        <SrcProtocolType></SrcProtocolType>
        <SrcPortStart></SrcPortStart>
        <SrcPortEnd></SrcPortEnd>
        <DstIPAddr></DstIPAddr>
        <DstIPAddrLen></DstIPAddrLen>
        <DstProtocolType></DstProtocolType>
        <DstPortStart></DstPortStart>
        <DstPortEnd></DstPortEnd>
      </Layer3>
      <Layer2>
        <SrcIfIndex></SrcIfIndex>
        <SrcVlan></SrcVlan>
        <SrcMacAddr></SrcMacAddr>
      </Layer2>
      <ObjGroupName></ObjGroupName>
      <HostName></HostName>
    </FreeRule>
  </FreeRules>
</Portal>

```

```
</FreeRules>
</Portal>
```

Table description

Item	Description
Table description	Portal FreeRule information table
Table type	Multi-instance table
Feature name	Portal
Table name	FreeRules
Row name	FreeRule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RuleID	Portal-free rule number	Index	Non-negative integer.	N/A
IsAllotID	Whether ID is allocated automatically	N/A	Boolean: <ul style="list-style-type: none"> true—Yes false—No 	N/A
Description	Description for the portal free rule	N/A	String,Length: 1 to 255 characters.	N/A
Layer3	Layer3	Data structure	Members include: <ul style="list-style-type: none"> SrcIPAddr SrcIPAddrLen SrcProtocolType SrcPortStart SrcPortEnd DstIPAddr DstIPAddrLen DstProtocolType DstPortStart DstPortEnd 	N/A
SrcIPAddr	Source IP address	N/A	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated.	N/A
SrcIPAddrLen	Subnet mask length of the source IP address	N/A	Non-negative integer. Value range: 0 to 128.	N/A
SrcProtocolType	Source protocol type	N/A	Enumeration: <ul style="list-style-type: none"> 6—TCP 17—UDP 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
SrcPortStart	Start port number for the source protocol	N/A	Non-negative integer. Value range: 0 to 65535.	N/A
SrcPortEnd	End port number for the source protocol	N/A	Non-negative integer. Value range: 0 to 65535.	N/A
DstIPAddr	Destination IP address	N/A	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated.	N/A
DstIPAddrLen	Subnet mask of the destination IP address	N/A	Non-negative integer. Value range: 0 to 128.	N/A
DstProtocolType	Destination protocol type	N/A	Enumeration: <ul style="list-style-type: none"> 6—TCP 17—UDP 	N/A
DstPortStart	Start port number for the destination protocol	N/A	Non-negative integer. Value range: 0 to 65535.	N/A
DstPortEnd	End port number for the destination protocol	N/A	Non-negative integer. Value range: 0 to 65535.	N/A
Layer2	Layer2	Data structure	Members include: <ul style="list-style-type: none"> SrcIfIndex SrcVlan SrcMacAddr 	N/A
SrcIfIndex	Source interface index	N/A	Source interface index.	N/A
SrcVlan	Source VLAN	N/A	Non-negative integer. Value range: 1 to 4094.	N/A
SrcMacAddr	Source MAC address	N/A	MAC address in the HH-HH-HH-HH-HH-HH format.	N/A
ObjGroupName	Source object group	N/A	String, Length: 1 to 31 characters.	N/A
HostName	Host name	N/A	String. Length: 1 to 253 characters.	N/A

Portal/Interfaces

XMLstructure

```
<Portal>
  <Interfaces>
    <Interface>
      <IfIndex></IfIndex>
      <AuthorisationCheck>
        <Userprofile></Userprofile>
        <Acl></Acl>
      </AuthorisationCheck>
      <VsrpInStance></VsrpInStance>
      <VsrpStatus></VsrpStatus>
    </Interface>
  </Interfaces>
</Portal>
```

Table description

Item	Description
Table description	Portal interface information table
Table type	Muti-instance table
Feature name	Portal
Table name	Interfaces
Row name	Interface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	index	Non-negative integer.	N/A
AuthorisationCheck	AuthorisationCheck	Data structure	Members include: <ul style="list-style-type: none">UserprofileAcl	N/A
Userprofile	Whether strict check is enabled for the authorized user profile	N/A	Boolean: <ul style="list-style-type: none">true—Yesfalse—No	N/A
Acl	Whether strict check is enabled for the authorized ACL	N/A	Boolean: <ul style="list-style-type: none">true—Yesfalse—No	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
VsrpInStance	VSRP instance name	N/A	String, case-sensitive. Length: 1 to 31 characters.	N/A
VsrpStatus	VSRP status	N/A	Enumeration: <ul style="list-style-type: none"> 1—Master 2—Backup 3—Down 4—BUTT 	N/A

Portal/IPv4Interfaces

XMLstructure

```

<Portal>
  <IPv4Interfaces>
    <IPv4Interface>
      <IfIndex></IfIndex>
      <OnlineUserNum></OnlineUserNum>
      <Method></Method>
      <WebServer>
        <WebServerName></WebServerName>
        <EscapeEnable></EscapeEnable>
      </WebServer>
      <Domain></Domain>
      <MaxUser></MaxUser>
      <BasIP></BasIP>
      <EscapeSvrName></EscapeSvrName>
      <PreAuthPoolName></PreAuthPoolName>
      <UserDetect>
        <UserDetectType></UserDetectType>
        <UserDetectIdleTime></UserDetectIdleTime>
        <UserDetectInterval></UserDetectInterval>
        <UserDetectRetry></UserDetectRetry>
      </UserDetect>
      <TempPass>
        <TempPassEnable></TempPassEnable>
        <TempPassPeriod></TempPassPeriod>
      </TempPass>
      <MacSvrName></MacSvrName>
      <PreAuthPolicy></PreAuthPolicy>
    </IPv4Interface>
  </IPv4Interfaces>
</Portal>

```

Table description

Item	Description
Table description	Portal IPv4 interface information table
Table type	Multi-instance table
Feature name	Portal
Table name	IPv4Interfaces
Row name	IPv4Interface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	index	Non-negative integer.	N/A
OnlineUserNum	IPv4 online users	N/A	Value range: 0 to $2^{32} - 1$.	N/A
Method	IPv4 authentication method	N/A	Enumeration: <ul style="list-style-type: none"> 0—Direct 1—Layer3 2—Redhcp 	N/A
WebServer	WebServer	Data structure	Members include: <ul style="list-style-type: none"> WebServerName EscapeEnable 	N/A
WebServerName	Name of the IPv4 portal Web server	N/A	String, case-sensitive. Length: 1 to 32 characters.	N/A
EscapeEnable	Whether the fail-permit feature is enabled for the IPv4 portal Web server	N/A	Boolean: <ul style="list-style-type: none"> true—Yes false—No 	N/A
Domain	IPv4 authentication domain	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A
MaxUser	Maximum number of IPv4 users on the interface	N/A	Non-negative integer. Value range: 1 to 4294967295.	N/A
Ipv4BasIP	BAS-IP attribute specified for IPv4 user authentication	N/A	IPv4: String, dotted decimal notation.	N/A
EscapeSvrName	Name of the IPv4 portal server with the	N/A	String, case-sensitive. Length: 1 to 32 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	fail-permit feature enabled			
PreAuthPoolName	Name of the IPv4 preauthentication user pool	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
UserDetect		Data structure	Members include: <ul style="list-style-type: none"> UserDetectType UserDetectIdleTime UserDetectInterval UserDetectRetry 	N/A
UserDetectType	IPv4 user detection type	N/A	Enumeration: <ul style="list-style-type: none"> 0—ARP 2—ICMP 	N/A
UserDetectIdleTime	IPv4 user detection idle time	N/A	Non-negative integer. Value range: 60 to 3600 seconds.	N/A
UserDetectInterval	IPv4 user detection interval	N/A	Non-negative integer. Value range: 1 to 1200 seconds.	N/A
UserDetectRetry	Number of IPv4 user detection attempts	N/A	Non-negative integer. Value range: 1 to 10.	N/A
ExtendAuthDomain	IPv4 extended authentication domain	N/A	String. Length: 1 to 255 characters.	N/A
TempPass	TempPass feature that temporarily permits Internet access	Data structure	Members include: <ul style="list-style-type: none"> TempPassEnable TempPassPeriod 	N/A
TempPassEnable	TempPass status	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable 1—Enable 	N/A
TempPassPeriod	Time interval during which Internet access is permitted	N/A	Unsigned integer. Value range: 10 to 180 seconds. Default: 30 seconds.	N/A
MacSvrName	IPv4 Mactrigger server name	N/A	String, case-sensitive. Length: 1 to 32 characters.	N/A
PreAuthPolicy	IPv4 Pre-Auth policy name	N/A	String, case-sensitive. Length: 1 to 255 characters.	N/A

Portal/IPv6Interfaces

XMLstructure

```
<Portal>
  <IPv6Interfaces>
    <IPv6Interface>
      <IfIndex></IfIndex>
      <OnlineUserNum></OnlineUserNum>
      <Method></Method>
      <WebServer>
        <WebServerName></WebServerName>
        <EscapeEnable></EscapeEnable>
      </WebServer>
      <Domain></Domain>
      <MaxUser></MaxUser>
      <BasIP></BasIP>
      <EscapeSvrName></EscapeSvrName>
      <PreAuthPoolName></PreAuthPoolName>
      <UserDetect>
        <UserDetectType></UserDetectType>
        <UserDetectIdleTime></UserDetectIdleTime>
        <UserDetectInterval></UserDetectInterval>
        <UserDetectRetry></UserDetectRetry>
      </UserDetect>
      <TempPass>
        <TempPassEnable></TempPassEnable>
        <TempPassPeriod></TempPassPeriod>
      </TempPass>
      <MacSvrName></MacSvrName>
      <PreAuthPolicy></PreAuthPolicy>
    </IPv6Interface>
  </IPv6Interfaces>
</Portal>
```

Table description

Item	Description
Table description	Portal IPv6 interface information table
Table type	Multi-instance table
Feature name	Portal
Table name	IPv6Interfaces
Row name	IPv6Interface
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Non-negative integer.	N/A
OnlineUserNum	Number of IPv6 online users	N/A	Value range: 0 to $2^{32} - 1$.	N/A
Method	IPv6 authentication method	N/A	Enumeration: <ul style="list-style-type: none"> 0—Direct 1—Layer3 	N/A
WebServer	WebServer	Data structure	Members include: <ul style="list-style-type: none"> WebServerName EscapeEnable 	N/A
WebServerName	IPv6 Web server name	N/A	String, case-sensitive. Length: 1 to 32 characters.	N/A
EscapeEnable	Whether the fail-permit feature is enabled for the IPv6 Web server	N/A	Boolean: <ul style="list-style-type: none"> true—Yes false—No 	N/A
Domain	IPv6 authentication domain	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A
MaxUser	Maximum number of IPv6 users on the interface	N/A	Non-negative integer. Value range: 1 to 4294967295.	N/A
BasIP	BAS-IP attribute specified for IPv6 user authentication	N/A	IPv6: Hexadecimal string, colon-separated.	N/A
EscapeSvrName	Name of the fail-permit enabled IPv6 portal server	N/A	String, case-sensitive. Length: 1 to 32 characters.	N/A
PreAuthPoolName	Name of the IPv6 preauthentication user pool	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
UserDetect	UserDetect	Data structure	Members include: <ul style="list-style-type: none"> UserDetectType UserDetectIdleTime UserDetectInterval UserDetectRetry 	N/A
UserDetectType	IPv6 user detection type	N/A	Enumeration: <ul style="list-style-type: none"> 1—ND 3—ICMPv6 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
UserDetectIdleTime	IPv6 user detection idle time	N/A	Non-negative integer. Value range: 60 to 3600 seconds.	N/A
UserDetectInterval	IPv6 user detection interval	N/A	Non-negative integer. Value range: 1 to 1200 seconds.	N/A
UserDetectRetry	Number of IPv6 user detection attempts	N/A	Non-negative integer. Value range: 1 to 10.	N/A
ExtendAuthDomain	IPv6 extended authentication domain	N/A	String. Length: 1 to 255 characters.	N/A
TempPass	TempPass feature that temporarily permits Internet access	Data structure	Members include: <ul style="list-style-type: none"> TempPassEnable TempPassPeriod 	N/A
TempPassEnable	TempPass status	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable 1—Enable 	N/A
TempPassPeriod	Time interval during which Internet access is permitted	N/A	Unsigned integer. Value range: 10 to 180 seconds. Default: 30 seconds.	N/A
MacSvrName	IPv6 Mactrigger server name	N/A	String, case-sensitive. Length: 1 to 32 characters.	N/A
PreAuthPolicy	IPv6 Pre-Auth policy name	N/A	String, case-sensitive. Length: 1 to 255 characters.	N/A

Portal/IPv4ServiceTemplates

This table contains portal IPv4 service template information.

XML structure

```

<Portal>
  <IPv4ServiceTemplates>
    <IPv4ServiceTemplate>
      <Name></Name>
      <Method></Method>
      <WebServer>
        <WebServerName></WebServerName>
        <EscapeEnable></EscapeEnable>

```

```

</WebServer>
<Domain></Domain>
<MaxUser></MaxUser>
<BasIP></BasIP>
<EscapeSvrName></EscapeSvrName>
<UserDetect>
  <UserDetectType></UserDetectType>
  <UserDetectIdleTime></UserDetectIdleTime>
  <UserDetectInterval></UserDetectInterval>
  <UserDetectRetry></UserDetectRetry>
</UserDetect>
<TempPass>
  <TempPassEnable></TempPassEnable>
  <TempPassPeriod></TempPassPeriod>
</TempPass>
<MacSvrName></MacSvrName>
<ExtendAuthDomain></ExtendAuthDomain>
</IPv4ServiceTemplate>
</IPv4ServiceTemplates>
</Portal>

```

Table description

Item	Description
Feature name	Portal
Table name	IPv4ServiceTemplates
Table type	Multi-instance table
Row name	IPv4ServiceTemplate
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Service template name	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A
Method	IPv4 portal authentication method	N/A	Enumeration: <ul style="list-style-type: none"> 0—Direct 1—Layer3 2—Redhcp 	N/A
WebServer	N/A	Data structure	Members include: <ul style="list-style-type: none"> WebServerName EscapeEnable 	N/A
WebServerName	IPv4 portal Web server	N/A	String, case-sensitive. Length: 1 to 32	N/A

Column name	Column description name	Column type	Data type and restrictions characters.	Remarks
EscapeEnable	Enable the fail-permit feature for the IPv4 portal Web server	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	N/A
Domain	IPv4 authentication domain	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A
MaxUser	Maximum number of IPv4 users	N/A	Unsigned integer. Value range: 1 to 4294967295.	N/A
BasIP	BAS-IP attribute specified for IPv4 user authentication	N/A	IPv4: String, dotted decimal notation.	N/A
EscapeSvrName	Name of the IPv4 portal server with the fail-permit feature enabled	N/A	String, case-sensitive. Length: 1 to 32 characters.	N/A
UserDetect	N/A	Data structure	Members include: <ul style="list-style-type: none"> UserDetectType UserDetectIdleTime UserDetectInterval UserDetectRetry 	N/A
UserDetectType	IPv4 user detection type	N/A	Enumeration: <ul style="list-style-type: none"> 0—ARP 2—ICMP 	N/A
UserDetectIdleTime	IPv4 user detection idle time	N/A	Unsigned integer. Value range: 60 to 3600 seconds. Default: 180 seconds.	N/A
UserDetectInterval	IPv4 user detection time interval	N/A	Unsigned integer. Value range: 1 to 1200 seconds. Default: 3 seconds.	N/A
UserDetectRetry	Number of IPv4 user detection attempts	N/A	Unsigned integer. Value range: 1 to 10. Default: 3.	N/A
ExtendAuthDomain	IPv4 extended authentication domain	N/A	String. Length: 1 to 255 characters.	N/A
TempPass	TempPass feature that temporarily permits Internet	Data structure	Members include: <ul style="list-style-type: none"> TempPassEnable TempPassPeriod 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	access			
TempPassEnable	TempPass status	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable 1—Enable 	N/A
TempPassPeriod	Time interval during which Internet access is permitted	N/A	Unsigned integer. Value range: 10 to 180 seconds. Default: 30 seconds.	N/A
MacSvrName	IPv4 Mactrigger server name	N/A	String, case-sensitive. Length: 1 to 32 characters.	N/A

Portal/IPv6ServiceTemplates

This table contains portal IPv6 service template information.

XML structure

```

<Portal>
  <IPv6ServiceTemplates>
    <IPv6ServiceTemplate>
      <Name></Name>
      <Method></Method>
      <WebServer>
        <WebServerName></WebServerName>
        <EscapeEnable></EscapeEnable>
      </WebServer>
      <Domain></Domain>
      <MaxUser></MaxUser>
      <BasIP></BasIP>
      <EscapeSvrName></EscapeSvrName>
      <UserDetect>
        <UserDetectType></UserDetectType>
        <UserDetectIdleTime></UserDetectIdleTime>
        <UserDetectInterval></UserDetectInterval>
        <UserDetectRetry></UserDetectRetry>
      </UserDetect>
      <TempPass>
        <TempPassEnable></TempPassEnable>
        <TempPassPeriod></TempPassPeriod>
      </TempPass>
      <MacSvrName></MacSvrName>
      <ExtendAuthDomain></ExtendAuthDomain>
    </IPv6ServiceTemplate>
  </IPv6ServiceTemplates>

```

</Portal>

Table description

Item	Description
Feature name	Portal
Table name	IPv6ServiceTemplates
Table type	Multi-instance table
Row name	IPv6ServiceTemplate
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Service template name	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A
Method	IPv6 portal authentication method	N/A	Enumeration: <ul style="list-style-type: none">0—Direct1—Layer3	N/A
WebServer	N/A	Data structure	Members include: <ul style="list-style-type: none">WebServerNameEscapeEnable	N/A
WebServerName	IPv6 portal Web server name	N/A	String, case-sensitive. Length: 1 to 32 characters.	N/A
EscapeEnable	Enable the fail-permit feature for the IPv6 portal Web server	N/A	Boolean: <ul style="list-style-type: none">true.false.	N/A
Domain	IPv6 authentication domain	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A
MaxUser	Maximum number of IPv6 users	N/A	Unsigned integer. Value range: 1 to 4294967295.	N/A
BasIP	BAS-IP attribute specified for IPv6 user authentication	N/A	IPv6: Hexadecimal string, colon-separated.	N/A
EscapeSvrName	Name of the fail-permit enabled IPv6 portal server	N/A	String, case-sensitive. Length: 1 to 32 characters.	N/A
UserDetect	N/A	Data structure	Members include:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> UserDetectType UserDetectIdleTime UserDetectInterval UserDetectRetry 	
UserDetectType	IPv6 user detection type	N/A	Enumeration: <ul style="list-style-type: none"> 1—ND 3—ICMPv6 	N/A
UserDetectIdleTime	IPv6 user detection idle time	N/A	Unsigned integer. Value range: 60 to 3600 seconds. Default: 180 seconds.	N/A
UserDetectInterval	IPv6 user detection time interval	N/A	Unsigned integer. Value range: 1 to 1200 seconds. Default: 3 seconds.	N/A
UserDetectRetry	Number of IPv6 user detection attempts	N/A	Unsigned integer. Value range: 1 to 10. Default: 3.	N/A
ExtendAuthDomain	IPv6 extended authentication domain	N/A	String. Length: 1 to 255 characters.	N/A
TempPass	TempPass feature that temporarily permits Internet access	Data structure	Members include: <ul style="list-style-type: none"> TempPassEnable TempPassPeriod 	N/A
TempPassEnable	TempPass status	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable 1—Enable 	N/A
TempPassPeriod	Time interval during which Internet access is permitted	N/A	Unsigned integer. Value range: 10 to 180 seconds. Default: 30 seconds.	N/A
MacSvrName	IPv6 Mactrigger server name	N/A	String, case-sensitive. Length: 1 to 32 characters.	N/A

Portal/WebRedirects

XMLstructure

```

<Portal>
  <WebRedirects>
    <WebRedirect>
      <IfIndex></IfIndex>
    </WebRedirect>
  </WebRedirects>
</Portal>

```

```

<IPv4WebRedirect>
  <IPv4WebRedirectUrl></IPv4WebRedirectUrl>
  <IPv4WebRedirectInterVal></IPv4WebRedirectInterVal>
</IPv4WebRedirect>
<IPv6WebRedirect>
  <IPv6WebRedirectUrl></IPv6WebRedirectUrl>
  <IPv6WebRedirectInterVal></IPv6WebRedirectInterVal>
</IPv6WebRedirect>
</WebRedirect>
</WebRedirects>
</Portal>

```

Table description

Item	Description
Table description	Portal WebRedirects information table
Table type	Multi-instance table
Feature name	Portal
Table name	WebRedirects
Row name	WebRedirect
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Non-negative integer.	N/A
IPv4WebRedirect	IPv4WebRedirect	Data structure	Members include: <ul style="list-style-type: none"> IPv4WebRedirectUrl IPv4WebRedirectInterVal 	N/A
IPv4WebRedirectUrl	Redirect URL for IPv4 users	N/A	String, case-sensitive. Length: 1 to 256 characters.	N/A
IPv4WebRedirectInterVal	URL redirect intervals for IPv4 users	N/A	Non-negative integer. Value range: 60 to 86400 seconds.	N/A
IPv6WebRedirect	IPv6WebRedirect	Data structure	Members include: <ul style="list-style-type: none"> IPv6WebRedirectUrl IPv6WebRedirectInterVal 	N/A
IPv6WebRedirectUrl	Redirect URL for IPv6 users	N/A	String, case-sensitive. Length: 1 to 256 characters.	N/A
IPv6WebRedirectInterVal	URL redirect interval for	N/A	Non-negative integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	IPv6 users		Value range: 60 to 86400 seconds.	

Portal/Ipv4AuthNetworks

XML structure

```

<Portal>
  <IPv4AuthNetWorks>
    <IPv4AuthNetWork>
      <IfIndex></IfIndex>
      <SrcAuthAddr></SrcAuthAddr>
      <SrcAuthMask></SrcAuthMask>
      <DstAuthAddr></DstAuthAddr>
      <DstAuthMask></DstAuthMask>
    </IPv4AuthNetWork>
  </IPv4AuthNetWorks>
</Portal>

```

Table description

Item	Description
Table description	Portal IPv4 authentication-network table
Table type	Multi-instance table
Feature name	Portal
Table name	IPv4AuthNetWorks
Row name	IPv4AuthNetWork
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	index	Non-negative integer.	N/A
SrcAuthAddr	Source authentication network address for IPv4 users	Index	IPv4: String, dotted decimal notation.	N/A
SrcAuthMask	Subnet mask length of the source authentication network for	N/A	Non-negative integer. Value range: 1 to 32.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
IPv4 users				
DstAuthAddr	Destination authentication network address for IPv4 users	N/A	IPv4: String, dotted decimal notation.	N/A
DstAuthMask	Subnet mask length of the destination authentication network for IPv4 users	N/A	Non-negative integer. Value range: 1 to 32.	N/A

Portal/Ipv6AuthNetworks

XML structure

```

<Portal>
  <IPv6AuthNetWorks>
    <IPv6AuthNetWork>
      <IfIndex></IfIndex>
      <SrcAuthAddr></SrcAuthAddr>
      <SrcAuthPrefix></SrcAuthPrefix>
      <DstAuthAddr></DstAuthAddr>
      <DstAuthPrefix></DstAuthPrefix>
    </IPv6AuthNetWork>
  </IPv6AuthNetWorks>
</Portal>

```

Table description

Item	Description
Table description	Portal IPv6 authentication-network table
Table type	Multi-instance table
Feature name	Portal
Table name	IPv6AuthNetWorks
Row name	IPv6AuthNetWork
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	index	Non-negative integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
SrcAuthAddr	Source authentication network address for IPv6 users	N/A	IPv6: Hexadecimal string, colon-separated.	N/A
SrcAuthPrefix	Prefix length of the source authentication network for IPv6 users	N/A	Non-negative integer. Value range: 1 to 128.	N/A
DstAuthAddr	Destination authentication network address for IPv6 users	N/A	IPv6: Hexadecimal string, colon-separated.	N/A
DstAuthPrefix	Prefix length of the destination authentication network for IPv6 users	N/A	Non-negative integer. Value range: 1 to 128.	N/A

Portal/GlobalConf

XML structure

```

<Portal>
  <GlobalConf>
    <RoamEnable></RoamEnable>
    <NasPortIdFormat></NasPortIdFormat>
    <VsrpPort></VsrpPort>
    <MaxUser></MaxUser>
    <ClientGatewayIfIndex></ClientGatewayIfIndex>
    <CaptiveOptDelay></CaptiveOptDelay>
  </GlobalConf>
</Portal>

```

Table description

Item	Description
Table description	PortalGlobalConf information table
Table type	Single-instance table
Feature name	Portal
Table name	GlobalConf
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RoamEnable	Whether the portal roaming feature is enabled	N/A	Boolean: <ul style="list-style-type: none"> true—Yes false—No 	N/A
NasPortIdFormat	Format of the NAS-Port-ID attribute	N/A	Enumeration: <ul style="list-style-type: none"> 1—Format1 2—Format2 	N/A
VsrpPort	TCP port for portal backup	N/A	Non-negative integer. Value range: 1 to 65535.	N/A
MaxUser	Maximum number of users on the device	N/A	Non-negative integer. The value range depends on the device model.	N/A
ClientGatewayIndex	Index of the gateway interface for clients to access the AC	N/A	Non-negative integer.	N/A
CaptiveOptDelay	The timeout time for optimized	N/A	Non-negative integer. Value range: 6 to 60 seconds.	N/A

Portal/ProxyConf

XML structure

```

<Portal>
  <ProxyConf>
    <Enable></Enable>
    <SourceIP></SourceIP>
    <PortalServerPort></PortalServerPort>
    <MacTriggerServerIP></MacTriggerServerIP>
    <MacTriggerServerPort></MacTriggerServerPort>
  </ProxyConf>
</Portal>

```

Table description

Item	Description
Table description	Portal proxy configuration table
Table type	Single-instance table
Feature name	Portal
Table name	PorxyConf

Row name	None
----------	------

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Enable	Enable the portal proxy feature	N/A		N/A
SourceIP	Source IP address	N/A	IPv4: String, dotted decimal notation.	This column specifies the source address for the packets actively sent to the server. The IP address of the output interface is used if not specified.
PortalServerPort	Destination port	N/A	Non-negative integer. Value range: 1 to 65535.	This column specifies the destination port on the device. The default port is 2000.
MacTriggerServerIP	IP address of the MAC binding server	N/A	IPv4: String, dotted decimal notation.	By default, the device does not specify the IP address and port number of the MAC binding server.
MacTriggerServerPort	Port number of the MAC binding server	N/A	Non-negative integer. Value range: 1 to 65535.	The default port number is 50100.

Portal/OnlineUsers

XML structure

```

<Portal>
  <OnlineUsers>
    <OnlineUser>
      <IfIndex></IfIndex>
      <IPAddress></IPAddress>
      <UserName></UserName>
      <MacAddress></MacAddress>
      <VLAN></VLAN>
      <VRF></VRF>
      <ServerName></ServerName>
      <LoginTime></LoginTime>
      <OnlineDuration></OnlineDuration>
      <FlowStats>
        <SendPktNum></SendPktNum>
        <SendByteNum></SendByteNum>
        <RecvPktNum></RecvPktNum>
        <RecvByteNum></RecvByteNum>
      </FlowStats>
    </OnlineUser>
  </OnlineUsers>
</Portal>

```

```

    <InboundFlowRate></InboundFlowRate>
    <OutboundFlowRate></OutboundFlowRate>
    <AccessSwitch></AccessSwitch>
  </OnlineUser>
</OnlineUsers>
</Portal>

```

Table description

Item	Description
Feature name	Portal
Table name	OnlineUsers
Table type	Multi-instance table
Row name	OnlineUser
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	IfIndex.	Index	Non-negative integer.	N/A
IPAddress	IP address of the user.	Index	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated.	N/A
UserName	User name.	N/A	String. Length: 1 to 253 characters.	N/A
MacAddress	MAC address of the user.	N/A	MAC address in the HH-HH-HH-HH-HH-HH format.	N/A
VLAN	VLAN where the user resides.	N/A	Value range: 1 to 4049.	N/A
VRF	MPLS L3VPN where the users resides.	N/A	String, case-sensitive. Length: 1 to 31 characters.	N/A
ServerName	Name of the portal server.	N/A	String, case-sensitive. Length: 1 to 32 characters.	N/A
LoginTime	Time when the user logged in	N/A	DateTime. Format: YYYY-MM-DDTHH:MM:SS.	N/A
OnlineDuration	User online duration.	N/A	Non-negative integer. The unit is second.	N/A
FlowStats	Flow statistics	Data	Members include:	N/A

Column name	Column description for the user.	Column type structure	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> SendPktNum SendByteNum RecvPktNum RecvByteNum 	
SendPktNum	Number of packets sent by the user.	N/A	Value range: 0 to $2^{64}-1$.	N/A
SendByteNum	Number of bytes sent by the user.	N/A	Value range: 0 to $2^{64}-1$.	N/A
RecvPktNum	Number of packets received by the user.	N/A	Value range: 0 to $2^{64}-1$.	N/A
RecvByteNum	Number of bytes received by the user.	N/A	Value range: 0 to $2^{64}-1$.	N/A
ObjectGroup	Users belong to the group of object.	N/A	String. Length: 1 to 31 characters.	N/A
InboundFlowRate	Inbound Real time rate.	N/A	Value range: 0 to $2^{64}-1$.	bytes per second
OutboundFlowRate	Outbound Real time rate.	N/A	Value range: 0 to $2^{64}-1$.	bytes per second
AccessSwitch	Whether the user can access the network.	N/A	Boolean: <ul style="list-style-type: none"> false—OFF true—ON 	N/A

Portal/PortalServerStats

XML structure

```

<Portal>
  <PortalServerStats>
    <Name></Name>
    <InvalidPkts></InvalidPkts>
    <ReqChallenge>
      <ReqChallengeTotal><ReqChallengeTotal>
      <ReqChallengeDrop></ReqChallengeDrop>
      <ReqChallengeError></ReqChallengeError>
    </ReqChallenge>
    <AckChallenge>
      <AckChallengeTotal></AckChallengeTotal>
      <AckChallengeDrop></AckChallengeDrop>
      <AckChallengeError></AckChallengeError>
    </AckChallenge>
    <ReqAuth>

```

```

    <ReqAuthTotal></ReqAuthTotal>
    <ReqAuthDrop></ReqAuthDrop>
    <ReqAuthError></ReqAuthError>
</ReqAuth>
<AckAuth>
    <AckAuthTotal></AckAuthTotal>
    <AckAuthDrop></AckAuthDrop>
    <AckAuthError></AckAuthError>
</AckAuth>
<ReqLogout>
    <ReqLogoutTotal></ReqLogoutTotal>
    <ReqLogoutDrop></ReqLogoutDrop>
    <ReqLogoutError></ReqLogoutError>
</ReqLogout>
<AckLogout>
    <AckLogoutTotal></AckLogoutTotal>
    <AckLogoutDrop></AckLogoutDrop>
    <AckLogoutError></AckLogoutError>
</AckLogout>
<AffAckAuth>
    <AffAckAuthTotal></AffAckAuthTotal>
    <AffAckAuthDrop></AffAckAuthDrop>
    <AffAckAuthError></AffAckAuthError>
</AffAckAuth>
<NtfLogout>
    <NtfLogoutTotal></NtfLogoutTotal>
    <NtfLogoutDrop></NtfLogoutDrop>
    <NtfLogoutError></NtfLogoutError>
</NtfLogout>
<ReqInfo>
    <ReqInfoTotal></ReqInfoTotal>
    <ReqInfoDrop></ReqInfoDrop>
    <ReqInfoError></ReqInfoError>
</ReqInfo>
<AckInfo>
    <AckInfoTotal></AckInfoTotal>
    <AckInfoDrop></AckInfoDrop>
    <AckInfoError></AckInfoError>
</AckInfo>
<NtfUserDisCover>
    <NtfUserDisCoverTotal></NtfUserDisCoverTotal>
    <NtfUserDisCoverDrop></NtfUserDisCoverDrop>
    <NtfUserDisCoverError></NtfUserDisCoverError>
</NtfUserDisCover>
<NtfUserIpChange>
    <NtfUserIpChangeTotal></NtfUserIpChangeTotal>
    <NtfUserIpChangeDrop></NtfUserIpChangeDrop>
    <NtfUserIpChangeError></NtfUserIpChangeError>

```



```

</NtfUserIpChange>
<AffNtfUserIpChange>
  <AffNtfUserIpChangeTotal></AffNtfUserIpChangeTotal>
  <AffNtfUserIpChangeDrop></AffNtfUserIpChangeDrop>
  <AffNtfUserIpChangeError></AffNtfUserIpChangeError>
</AffNtfUserIpChange>
<AckNtfLogout>
  <AckNtfLogoutTotal></AckNtfLogoutTotal>
  <AckNtfLogoutDrop></AckNtfLogoutDrop>
  <AckNtfLogoutError></AckNtfLogoutError>
</AckNtfLogout>
<NtfHeartBeat>
  <NtfHeartBeatTotal></NtfHeartBeatTotal>
  <NtfHeartBeatDrop></NtfHeartBeatDrop>
  <NtfHeartBeatError></NtfHeartBeatError>
</NtfHeartBeat>
<NtfUserHeartBeat>
  <NtfUserHeartBeatTotal></NtfUserHeartBeatTotal>
  <NtfUserHeartBeatDrop></NtfUserHeartBeatDrop>
  <NtfUserHeartBeatError></NtfUserHeartBeatError>
</NtfUserHeartBeat>
<AckNtfUserHeartBeat>
  <AckNtfUserHeartBeatTotal></AckNtfUserHeartBeatTotal>
  <AckNtfUserHeartBeatDrop></AckNtfUserHeartBeatDrop>
  <AckNtfUserHeartBeatError></AckNtfUserHeartBeatError>
</AckNtfUserHeartBeat>
<NtfChallenge>
  <NtfChallengeTotal></NtfChallengeTotal>
  <NtfChallengeDrop></NtfChallengeDrop>
  <NtfChallengeError></NtfChallengeError>
</NtfChallenge>
<NtfUserNotify>
  <NtfUserNotifyTotal></NtfUserNotifyTotal>
  <NtfUserNotifyDrop></NtfUserNotifyDrop>
  <NtfUserNotifyError></NtfUserNotifyError>
</NtfUserNotify>
<AffNtfUserNotify>
  <AffNtfUserNotifyTotal></AffNtfUserNotifyTotal>
  <AffNtfUserNotifyDrop></AffNtfUserNotifyDrop>
  <AffNtfUserNotifyError></AffNtfUserNotifyError>
</AffNtfUserNotify>
</PortalServerStats>
</Portal>

```

Table description

Item	Description
Table description	Portal Server packets statistics table

Table type	Multi-instance table
Feature name	Portal
Table name	PortalServerStats
Row name	Name
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the portal server	Index	String. Length: 1 to 32 characters.	N/A
InvalidPkts	Number of invalid packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
ReqChallenge	Challenge request packet the portal server sent to the device	Data structure		N/A
ReqChallengeTotal	Total number of challenge request packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
ReqChallengeDrop	Number of dropped challenge request packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
ReqChallengeError	Number of erroneous challenge request packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckChallenge	Challenge acknowledgment packet the device sent to the portal server	N/A		N/A
AckChallengeTotal	Total number of challenge acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckChallengeDrop	Number of dropped challenge acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckChallengeError	Number of erroneous	N/A	Value range: 0 to $2^{64}-1$.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	challenge acknowledgm ent packets			
ReqAuth	Authentication request packet the portal server sent to the device	N/A		N/A
ReqAuthTotal	Total number of Authentication request packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
ReqAuthDrop	Number of dropped authentication request packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
ReqAuthError	Number of erroneous authentication request packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckAuth	Authentication acknowledgm ent packet the device sent to the portal server	N/A		N/A
AckAuthTotal	Total number of authentication acknowledgm ent packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckAuthDrop	Number of dropped authentication acknowledgm ent packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckAuthError	Number of erroneous authentication acknowledgm ent packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
ReqLogout	Logout request packet the portal server sent to the device.	N/A		N/A
ReqLogoutTotal	Total number of logout request packets	N/A	Value range: 0 to $2^{64}-1$.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
ReqLogoutDrop	Number of dropped logout request packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
ReqLogoutError	Number of erroneous logout request packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckLogout	Logout acknowledgment packet the device sent to the portal server	N/A		N/A
AckLogoutTotal	Total number of logout acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckLogoutDrop	Number of dropped logout acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckLogoutError	Number of erroneous logout acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AffAckAuth	Affirmation packet the portal server sent to the device after receiving an authentication acknowledgment packet.	N/A		N/A
AffAckAuthTotal	Total number of affirmation packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AffAckAuthDrop	Number of dropped affirmation packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AffAckAuthError	Number of erroneous affirmation packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
NtfLogout	Forced logout notification packet the device sent to the portal server	N/A		N/A
NtfLogoutTotal	Total number	N/A	Value range: 0 to $2^{64}-1$.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	of forced logout notification packets			
NtfLogoutDrop	Number of dropped forced logout notification packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
NtfLogoutError	Number of erroneous forced logout notification packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
ReqInfo	Information request packet	N/A		N/A
ReqInfoTotal	Total number of information request packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
ReqInfoDrop	Number of dropped information request packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
ReqInfoError	Number of erroneous information request packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckInfo	Information acknowledgment packet	N/A		N/A
AckInfoTotal	Total number of information acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckInfoDrop	Number of dropped information acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckInfoError	Number of erroneous information acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
NtfUserDiscover	User discovery notification packet the portal server sent to the device	N/A		N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
NtfUserDiscoveryTotal	Total number of user discovery notification packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
NtfUserDiscoveryDrop	Number of dropped user discovery notification packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
NtfUserDiscoveryError	Number of erroneous user discovery notification packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
NtfUserIpChange	User IP change notification packet the device sent to the portal server	N/A		N/A
NtfUserIpChangeTotal	Total number of user IP change notification packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
NtfUserIpChangeDrop	Number of dropped user IP change notification packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
NtfUserIpChangeError	Number of erroneous user IP change notification packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AffNtfUserIpChange	User IP change success notification packet the portal server sent to the device	N/A		N/A
AffNtfUserIpChangeTotal	Total number of user IP change success notification packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AffNtfUserIpChangeDrop	Number of dropped user IP change success	N/A	Value range: 0 to $2^{64}-1$.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	notification packets			
AffNtfUserIpChangeError	Number of erroneous user IP change success notification packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckNtfLogout	Forced logout acknowledgment packet the portal server sent to the device	N/A		N/A
AckNtfLogoutTotal	Total number of forced logout acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckNtfLogoutDrop	Number of dropped forced logout acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckNtfLogoutError	Number of erroneous forced logout acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
NtfHeartBeat	Server heartbeat packet the portal server periodically sent to the device	N/A		N/A
NtfHeartBeatTotal	Total number of server heartbeat packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
NtfHeartBeatDrop	Number of dropped server heartbeat packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
NtfHeartBeatError	Number of erroneous server heartbeat packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
NtfUserHeartBeat	User synchronization packet the portal server sent to the	N/A		N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	device			
NtfUserHeartBeatTotal	Total number of user synchronization packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
NtfUserHeartBeatDrop	Number of dropped user synchronization packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
NtfUserHeartBeatError	Number of erroneous user synchronization packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckNtfUserHeartBeat	User synchronization acknowledgment packet the device sent to the portal server	N/A		N/A
AckNtfUserHeartBeatTotal	Total number of user synchronization acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckNtfUserHeartBeatDrop	Number of dropped user synchronization acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckNtfUserHeartBeatError	Number of erroneous user synchronization acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
NtfChallenge	Challenge request packet the device sent to the portal server	N/A		N/A
NtfChallengeTotal	Total number of challenge request packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
NtfChallengeDrop	Number of dropped challenge request packets	N/A	Value range: 0 to $2^{64}-1$.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
NtfChallengeError	Number of erroneous challenge request packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
NtfUserNotify	User information notification packet the device sent to the portal server	N/A		N/A
NtfUserNotifyTotal	Total number of user information notification packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
NtfUserNotifyDrop	Number of dropped user information notification packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
NtfUserNotifyError	Number of erroneous user information notification packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AffNtfUserNotify	NTF_USER_NOTIFY acknowledgment packet the portal server sent to the device	N/A		N/A
AffNtfUserNotifyTotal	Total number of NTF_USER_NOTIFY acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AffNtfUserNotifyDrop	Number of dropped NTF_USER_NOTIFY acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AffNtfUserNotifyError	Number of erroneous NTF_USER_NOTIFY acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A

Portal/PortalProxyStats

XML structure

```
<Portal>
  <PortalProxyStats>
    <Status></Status>
    <InvalidPkts></InvalidPkts>
    <ReqInfo>
      <ReqInfoReceived></ReqInfoReceived>
      <ReqInfoDrop></ReqInfoDrop>
      <ReqInfoError></ReqInfoError>
    </ReqInfo>
    <AckInfo>
      <AckInfoReceived></AckInfoReceived>
      <AckInfoDrop></AckInfoDrop>
      <AckInfoError></AckInfoError>
    </AckInfo>
    <ReqChallenge>
      <ReqChallengeReceived><ReqChallengeReceived>
      <ReqChallengeDrop></ReqChallengeDrop>
      <ReqChallengeError></ReqChallengeError>
    </ReqChallenge>
    <AckChallenge>
      <AckChallengeReceived></AckChallengeReceived>
      <AckChallengeDrop></AckChallengeDrop>
      <AckChallengeError></AckChallengeError>
    </AckChallenge>
    <ReqAuth>
      <ReqAuthReceived></ReqAuthReceived>
      <ReqAuthDrop></ReqAuthDrop>
      <ReqAuthError></ReqAuthError>
    </ReqAuth>
    <AckAuth>
      <AckAuthReceived></AckAuthReceived>
      <AckAuthDrop></AckAuthDrop>
      <AckAuthError></AckAuthError>
    </AckAuth>
    <AffAckAuth>
      <AffAckAuthTotal></AffAckAuthTotal>
      <AffAckAuthDrop></AffAckAuthDrop>
      <AffAckAuthError></AffAckAuthError>
    </AffAckAuth>
    <ReqLogout>
      <ReqLogoutReceived></ReqLogoutReceived>
      <ReqLogoutDrop></ReqLogoutDrop>
      <ReqLogoutError></ReqLogoutError>
```

```

</ReqLogout>
<AckLogout>
  <AckLogoutReceived></AckLogoutReceived>
  <AckLogoutDrop></AckLogoutDrop>
  <AckLogoutError></AckLogoutError>
</AckLogout>
<NtfLogout>
  <NtfLogoutReceived></NtfLogoutReceived>
  <NtfLogoutDrop></NtfLogoutDrop>
  <NtfLogoutError></NtfLogoutError>
</NtfLogout>
<AckNtfLogout>
  <AckNtfLogoutReceived></AckNtfLogoutReceived>
  <AckNtfLogoutDrop></AckNtfLogoutDrop>
  <AckNtfLogoutError></AckNtfLogoutError>
</AckNtfLogout>
<ReqMacBind>
  <ReqMacBindReceived></ReqMacBindReceived>
  <ReqMacBindDrop></ReqMacBindDrop>
  <ReqMacBindError></ReqMacBindError>
</ReqMacBind>
<AckMacBind>
  <AckMacBindReceived></AckMacBindReceived>
  <AckMacBindDrop></AckMacBindDrop>
  <AckMacBindError></AckMacBindError>
</AckMacBind>
<NtfMacBindLogon>
  <NtfMacBindLogonReceived><NtfMacBindLogonReceived>
  <NtfMacBindLogonDrop></NtfMacBindLogonDrop>
  <NtfMacBindLogonError></NtfMacBindLogonError>
</NtfMacBindLogon>
<NtfMacBindLogout>
  <NtfMacBindLogoutReceived><NtfMacBindLogoutReceived>
  <NtfMacBindLogoutDrop></NtfMacBindLogoutDrop>
  <NtfMacBindLogoutError></NtfMacBindLogoutError>
</NtfMacBindLogout>
<AffMacBindLogout>
  <AffMacBindLogoutReceived><AffMacBindLogoutReceived>
  <AffMacBindLogoutDrop></AffMacBindLogoutDrop>
  <AffMacBindLogoutError></AffMacBindLogoutError>
</AffMacBindLogout>
</PortalProxyStats>
</Portal>

```

Table description

Item	Description
Table description	Portal proxy packet statistics table

Table type	Single-instance table
Feature name	Portal
Table name	PortalProxyStats
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Status	Status of the portal proxy server	N/A	Boolean: <ul style="list-style-type: none"> 1—Enabled 2—Disabled 	N/A
InvalidPkts	Number of invalid packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
ReqInfo	Information request packet	N/A		N/A
ReqInfoReceived	Number of received information request packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
ReqInfoDrop	Number of dropped information request packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
ReqInfoError	Number of erroneous information request packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckInfo	Information acknowledgment packet	N/A		N/A
AckInfoReceived	Number of received information acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckInfoDrop	Number of dropped information acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckInfoError	Number of erroneous information acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
ReqChallenge	Challenge request packet the portal server sent to the device	Data structure		N/A
ReqChallengeReceived	Number of received challenge request packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
ReqChallengeDrop	Number of dropped challenge request packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
ReqChallengeError	Number of erroneous challenge request packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckChallenge	Challenge acknowledgment packet the device sent to the portal server	N/A		N/A
AckChallengeReceived	Number of received challenge acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckChallengeDrop	Number of dropped challenge acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckChallengeError	Number of erroneous challenge acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
ReqAuth	Authentication request packet the portal server sent to the device	N/A		N/A
ReqAuthReceived	Number of received authentication request packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
ReqAuthDrop	Number of dropped authentication	N/A	Value range: 0 to $2^{64}-1$.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	request packets			
ReqAuthError	Number of erroneous authentication request packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckAuth	Authentication acknowledgment packet the device sent to the portal server	N/A		N/A
AckAuthReceived	Number of received authentication acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckAuthDrop	Number of dropped authentication acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckAuthError	Number of erroneous authentication acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AffAckAuth	Affirmation packet the portal server sent to the device after receiving an authentication acknowledgment packet	N/A		N/A
AffAckAuthReceived	Number of received affirmation packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AffAckAuthDrop	Number of dropped affirmation packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AffAckAuthError	Number of erroneous affirmation packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
ReqLogout	Logout request packet the portal server sent to the device	N/A		N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
ReqLogoutReceived	Number of received logout request packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
ReqLogoutDrop	Number of dropped logout request packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
ReqLogoutError	Number of erroneous logout request packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckLogout	Logout acknowledgment packet the device sent to the portal server	N/A		N/A
AckLogoutReceived	Number of received logout acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckLogoutDrop	Number of dropped logout acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckLogoutError	Number of erroneous logout acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
NtfLogout	Forced logout notification packet the device sent to the portal server	N/A		N/A
NtfLogoutReceived	Number of received forced logout notification packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
NtfLogoutDrop	Number of dropped forced logout notification packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
NtfLogoutError	Number of erroneous forced logout notification packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckNtfLogout	Forced logout	N/A		N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	acknowledgment packet from the portal server			
AckNtfLogoutReceived	Number of received forced logout acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckNtfLogoutDrop	Number of dropped forced logout acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckNtfLogoutError	Number of erroneous forced logout acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
ReqMacBind	MAC binding query the device sent to the MAC binding server	N/A		N/A
ReqMacBindReceived	Number of received MAC binding queries	N/A	Value range: 0 to $2^{64}-1$.	N/A
ReqMacBindDrop	Number of dropped MAC binding queries	N/A	Value range: 0 to $2^{64}-1$.	N/A
ReqMacBindError	Number of erroneous MAC binding queries	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckMacBind	MAC binding query acknowledgment packet the MAC binding server sent to the device	N/A		N/A
AckMacBindReceived	Number of received MAC binding query acknowledgment packet	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckMacBindDrop	Number of dropped MAC binding query acknowledgment packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AckMacBindError	Number of erroneous MAC binding	N/A	Value range: 0 to $2^{64}-1$.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	query acknowledgment packets			
NtfMacBindLogon	User logon notification packet the device sent to the MAC binding server	N/A		N/A
NtfMacBindLogonReceived	Number of received user logon notification packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
NtfMacBindLogonDrop	Number of dropped user logon notification packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
NtfMacBindLogonError	Number of erroneous user logon notification packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
NtfMacBindLogout	User logoff notification packet the device sent to the MAC binding server	N/A		N/A
NtfMacBindLogoutReceived	Number of received user logoff notification packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
NtfMacBindLogoutDrop	Number of dropped user logoff notification packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
NtfMacBindLogoutError	Number of erroneous user logoff notification packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AffMacBindLogout	Forced logout affirmation packet sent by Mac-Trigger server	N/A		N/A
AffMacBindLogoutReceived	Number of received forced logout affirmation packets	N/A	Value range: 0 to $2^{64}-1$.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
AffMacBindLogoutDrop	Number of dropped forced logout affirmation packets	N/A	Value range: 0 to $2^{64}-1$.	N/A
AffMacBindLogoutError	Number of erroneous forced logout affirmation packets	N/A	Value range: 0 to $2^{64}-1$.	N/A

Portal/IPv4StaticRule

XML structure

```

<Portal>
  <IPv4StaticRules>
    <IPv4StaticRule>
      <IfIndex></IfIndex>
      <Action></Action>
      <Status></Status>
      <Protocol></Protocol>
      <SrcIPv4>
        <SrcIPv4Addr></SrcIPv4Addr>
        <SrcIPv4AddrMask></SrcIPv4AddrMask>
      </SrcIPv4>
      <SrcPort>
        <SrcPortValue1></SrcPortValue1>
      </SrcPort>
      <SrcIfIndex></SrcIfIndex>
      <SrcVlan></SrcVlan>
      <SrcMacAddr></SrcMacAddr>
      <DstIPv4>
        <DstIPv4Addr></DstIPv4Addr>
        <DstIPv4AddrMask></DstIPv4AddrMask>
      </DstIPv4>
      <DstPort>
        <DstPortValue1></DstPortValue1>
      </DstPort>
    </IPv4StaticRule>
  </IPv4StaticRules>
</Portal>

```

Table description

Item	Description
Table description	Portal IPV4 static-rule table
Table type	Multi-instance table
Feature name	Portal
Table name	IPv4StaticRules
Row name	IPv4StaticRule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Non-negative integer.	N/A
Action	Action to be taken on packets matching the rule	N/A	Enumeration: <ul style="list-style-type: none"> 1–Permit 2–Redirect 3–Deny 	N/A
Status	Status of the rule	N/A	Enumeration: <ul style="list-style-type: none"> 1–Active 2–Deactive 3–N/A 	N/A
Protocol	Transport layer protocol number in the rule	N/A	Enumeration: <ul style="list-style-type: none"> 1–TCP 2–UDP 3–Any 	N/A
SrcIPv4	Source IPv4 address information	Data structure	Members include: <ul style="list-style-type: none"> SrcIPv4Addr SrcIPv4AddrMask 	N/A
SrcIPv4Addr	Source IPv4 address	N/A	IPv4: String, dotted decimal notation.	N/A
SrcIPv4AddrMask	Subnet mask length of the source IPv4 address	N/A	Non-negative integer. Value range: 1 to 32.	N/A
SrcPort		Data Structure	Members include: SrcPortValue1	N/A
SrcPortValue1	Source port number	N/A	Non-negative integer. Value range: 1 to 65535.	N/A
SrcIfIndex	Source interface	N/A	Layer2 interface index. Non-negative integer.	N/A
SrcVlan	Source VLAN	N/A	Non-negative integer. Value range: 1 to 4094.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
SrcMacAddr	Source MAC address	N/A	MAC address in the HH-HH-HH-HH-HH-HH format. Example: 00-0c-af-e3-5d-c0.	N/A
DstIPv4		Data structure	Members include: <ul style="list-style-type: none"> DstIPv4Addr DstIPv4AddrMask 	N/A
DstIPv4Addr	Destination IPv4 address		IPv4: String, dotted decimal notation.	N/A
DstIPv4AddrMask	Subnet mask length of the destination IPv4 mask	N/A	Non-negative integer. Value range: 1 to 32.	N/A
DstPort		Data structure	Members include: DstPortValue1	N/A
DstPortValue1	Source port number	N/A	Non-negative integer. Value range: 1 to 65535.	N/A

Portal/IPv6StaticRule

XML structure

```

<Portal>
  <IPv6StaticRules>
    <IPv6StaticRule>
      <IfIndex></IfIndex>
      <Action></Action>
      <Status></Status>
      <Protocol></Protocol>
      <SrcIPv6>
        <SrcIPv6Addr></SrcIPv6Addr>
        <SrcIPv6AddrPrefix></SrcIPv6AddrPrefix>
      </SrcIPv6>
      <SrcPort>
        <SrcPortValue1></SrcPortValue1>
      </SrcPort>
      <SrcIfIndex></SrcIfIndex>
      <SrcVlan></SrcVlan>
      <SrcMacAddr></SrcMacAddr>
      <DstIPv6>
        <DstIPv6Addr></DstIPv6Addr>
        <DstIPv6AddrPrefix></DstIPv6AddrPrefix>
      </DstIPv6>
      <DstPort>
        <DstPortValue1></DstPortValue1>

```

```

        </DstPort>
    </IPv6StaticRule>
</IPv6StaticRules>
</Portal>

```

Table description

Item	Description
Table description	Portal IPV6 static-rule table
Table type	Multi-instance table
Feature name	Portal
Table name	IPv6StaticRules
Row name	IPv6StaticRule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Non-negative integer	N/A
Action	Action to be taken on packets matching the rule	N/A	Enumeration: <ul style="list-style-type: none"> 1—Permit 2—Redirect 3—Deny 	N/A
Status	Status of the rule	N/A	Enumeration: <ul style="list-style-type: none"> 1—Active 2—Deactive 3—N/A 	N/A
Protocol	Transport layer protocol number in the rule	N/A	Enumeration: <ul style="list-style-type: none"> 1—TCP 2—UDP 3—Any 	N/A
SrcIPv6	Source IPv6 address information	Data structure	Members include: <ul style="list-style-type: none"> SrcIPv6Addr SrcIPv6AddrPrefix 	N/A
SrcIPv6Addr	Source IPv6 address	N/A	IPv6: Hexadecimal string, colon-separated.	N/A
SrcIPv6AddrPrefix	Prefix length of the source IPv6 address	N/A	Non-negative integer. Value range: 1 to 128.	N/A
SrcPort		Data Structure	Members include: SrcPortValue1	N/A
SrcPortValue1	Source port number	N/A	Non-negative integer. Value range: 1 to 65535.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
SrcIfIndex	Source interface	N/A	Layer2 interface index. Non-negative integer.	N/A
SrcVlan	Source VLAN	N/A	Non-negative integer. Value range: 1 to 4094.	N/A
SrcMacAddr	Source MAC address	N/A	MAC address in the HH-HH-HH-HH-HH-HH format. Example: 00-0c-af-e3-5d-c0.	N/A
DstIPv6		Data structure	Members include: <ul style="list-style-type: none"> DstIPv6Addr DstIPv6AddrPrefix 	N/A
DstIPv6Addr	Destination IPv6 address	N/A	IPv6: Hexadecimal string, colon-separated.	N/A
DstIPv6AddrPrefix	Prefix length of the destination IPv6 address	N/A	Non-negative integer. Value range: 1 to 128.	N/A
DstPort		Data structure	Members include: DstPortValue1	N/A
DstPortValue1	Source port number	N/A	Non-negative integer. Value range: 1 to 65535.	N/A

Portal/UserRule

XML structure

```

<Portal>
  <UserRules>
    <UserRule>
      <IfIndex></IfIndex>
      <Action></Action>
      <Status></Status>
      <IPAddr></IPAddr>
      <L2IfIndex></L2IfIndex>
      <Vlan></Vlan>
      <MacAddr ></MacAddr>
      <AuthorationInfo>
        <AclNumber></AclNumber>
        <Userprofile></Userprofile>
      </AuthorationInfo>
    </UserRule>
  </UserRules>
</Portal>

```

Table description

Item	Description
Table description	Portal user-rule table
Table type	Multi-instance table
Feature name	Portal
Table name	UserRules
Row name	UserRule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Non-negative integer.	N/A
Action	Action to be taken on packets matching the rule	N/A	Boolean: <ul style="list-style-type: none"> 1—Permit 	N/A
Status	Status of the rule	N/A	Enumeration: <ul style="list-style-type: none"> 1—Active 2—Deactive 3—N/A 	N/A
IPAddr	IP address of the user	N/A	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated.	IPAddr
L2IfIndex	Layer 2 interface	N/A	Non-negative integer.	L2IfIndex
Vlan	VLAN where the user resides	N/A	Non-negative integer. Value range: 1 to 4094.	Vlan
MacAddr	MAC address of the user	N/A	MAC address in the HH-HH-HH-HH-HH-HH format. Example: 00-0c-af-e3-5d-c0.	MacAddr
AuthorationInfo	Authorization information	Data structure		AuthorationInfo
AclNumber	Authorized ACL number	N/A	Non-negative integer.	AclNumber
Userprofile	Authorized user profile name	N/A	String, case-insensitive. Length: 1 to 31 characters.	Userprofile

Portal/LocalWebServers

XML structure

```
<Portal>
  <LocalWebServers>
    <LocalWebServer>
      <Type></Type>
      <SSLServerPolicy></SSLServerPolicy>
      <DefLogonPage></DefLogonPage>
      <TCPPort></TCPPort>
    </LocalWebServer>
  </LocalWebServers>
</Portal>
```

Table description

Item	Description
Table description	Portal local WebServer information table
Table type	Multi-instance table
Feature name	Portal
Table name	LocalWebServers
Row name	PortalServer
Restrictions	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Type	Protocol type	Index	Enumeration: <ul style="list-style-type: none">0—HTTP1—HTTPS	N/A
SSLServerPolicy	SSL server policy name	N/A	String, case-insensitive. Length: 1 to 31 characters.	N/A
DefLogonPage	Default authentication page file	N/A	String, case-sensitive and contains letters, digits, dots (.), and underscores (_). Length: 1 to 91 characters.	N/A
TCPPort	TCP port number	N/A	Non-negative integer. Value range: 1 to 65535.	N/A

Portal/SelfDefSsidPage

This table contains information about the self-defined SSID page file.

XML structure

```
<Portal>
  <SelfDefSsidPages>
    <SelfDefSsidPage>
      <Type></Type>
      <ssid></ssid>
      <LogonPageFile></LogonPageFile>
    </SelfDefSsidPage>
  </SelfDefSsidPages>
</Portal>
```

Table description

Item	Description
Feature name	Portal
Table name	SelfDefSsidPages
Table type	Multi-instance table
Row name	SelfDefSsidPage
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Type	Protocol type	Index	Enumeration: <ul style="list-style-type: none">0—HTTP.1—HTTPS.	This column configures the protocol type for the local portal Web server.
ssid	SSID name	Index	String, case sensitive. Length: 1 to 32 characters.	This column assigns a specific SSID to the designated page file.
LogonPageFile	Authentication page file.	N/A	String, including letters, numbers, and underscores (_). Length: 1 to 91 characters.	N/A

Portal/SelfDefDevTypePage

This table contains information about the self-defined device type page file.

XML structure

```
<Portal>
  <SelfDefDevTypePages>
    <SelfDefDevTypePage>
      <Type></Type>
      <DeviceType></DeviceType>
      <LogonPageFile></LogonPageFile>
    </SelfDefDevTypePage>
  </SelfDefDevTypePages>
</Portal>
```

Table description

Item	Description
Feature name	Portal
Table name	SelfDefDevTypePages
Table type	Multi-instance table
Row name	SelfDefDevTypePage
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Type	Protocol type	Index	Enumeration: <ul style="list-style-type: none">0—HTTP.1—HTTPS.	This column configures the protocol type for the local portal Web server.
DeviceType	Device type	Index	String, case-sensitive. Length: 1 to 127 characters.	This column assigns a specific device type to the designated page file.
LogonPageFile	Authentication page file.	N/A	String, including letters, numbers, and underscores (_). Length: 1 to 91 characters.	N/A

Portal/SelfDefPage

This table contains information about the self-defined page file.

XML structure

```
<Portal>
  <SelfDefPages>
    <SelfDefPage>
```

```

    <Type></Type>
    <ssid></ssid>
    <DeviceType></DeviceType>
    <LogonPageFile></LogonPageFile>
  </SelfDefPage>
</SelfDefPages>
</Portal>

```

Table description

Item	Description
Feature name	Portal
Table name	SelfDefPages
Table type	Multi-instance table
Row name	SelfDefPage
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Type	Protocol type	Index	Enumeration: <ul style="list-style-type: none"> 0—HTTP. 1—HTTPS. 	This column configures the protocol type for the local portal Web server.
ssid	SSID name	Index	String, case-sensitive. Length: 1 to 32 characters.	This column assigns a specific SSID to the designated page file.
DeviceType	Device type	Index	String, case-sensitive. Length: 1 to 127 characters.	This column assigns a specific device type to the designated page file.
LogonPageFile	Authentication page file.	N/A	String, including letters, numbers, and underscores (_). Length: 1 to 91 characters.	N/A

Portal/ExtendAuthServers

This table contains information about portal extended authentication servers.

XML structure

```

<Portal>
  <ExtendAuthServers>
    <ExtendAuthServer>
      <Type></Type>

```

```

    <AuthUrl></AuthUrl>
    <AppId></AppId>
    <AppKey></AppKey>
    <RedirectUrl></RedirectUrl>
    <MailProtocol></MailProtocol>
    <MailDomain>
        <MailDomainName></MailDomainName>
    </MailDomain>
</ExtendAuthServer>
</ExtendAuthServers>
</Portal>

```

Table description

Item	Description
Feature name	Portal
Table name	ExtendAuthServers
Table type	Multi-instance table
Row name	ExtendAuthServer
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Type	Extended authentication service type	Index	Enumeration: <ul style="list-style-type: none"> 0—QQ. 1—Mail. 	N/A
AuthUrl	Authentication URL	N/A	String. Length: 1 to 256 characters. Default: https://graph.qq.com (when the Type field is specified as 0).	N/A.
AppId	App ID which supports for extended authentication	N/A	String. Length: 1 to 32 characters.	The default value is the App ID of the Lvzhou application in the QQ open platform.
AppKey	The key of App ID	N/A	String. Length: 1 to 64 characters.	App key needs to be kept confidential and not returned to users.
RedirectUrl	Authentication redirect URL	N/A	String. Length: 1 to 256 characters.	The default value is the callback address of the Lvzhou application in the QQ open platform.
MailProtocol	Mail authentication	N/A	Enumeration: <ul style="list-style-type: none"> 1—POP3. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	protocol type		<ul style="list-style-type: none"> 2—IMAP. 3—POP3 and IMAP. 	
MailDomain	Maildomain	Data structure	Members include: <ul style="list-style-type: none"> MailDomainName 	This column takes effect only when the type field is specified as 1. MailDomainName must be set. You can specify 1 to 16 domain names.
MailDomainName	Mail domain name	N/A	String. Length: 1 to 255 characters.	The value of the column must be the Email domain format. For example: @qq.com

Portal/HistoryOnlineUserNums

This table contains the statistics on the number of historical online users.

XML structure

```

<Portal>
  <HistoryOnlineUserNums>
    <HistoryOnlineUserNum>
      <Interval></Interval>
      <TimeStamp></TimeStamp>
      <Num></Num>
    </HistoryOnlineUserNum>
  </HistoryOnlineUserNums>
</Portal>

```

Table description

Item	Description
Feature name	Portal
Table name	HistoryOnlineUserNums
Table type	Multi-instance table
Row name	HistryOnlineUserNum
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Interval	Time interval	Index	Enumeration: <ul style="list-style-type: none"> 0—Hour 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 1-Day 	
TimeStamp	Recording time.	Index	DateTime.Format: YYYY-MM-DDTHH:MM:SS.	N/A
Num	Online user number.	N/A	Value range: 0 to $2^{32} - 1$.	N/A

Portal/CurrentOnlineUserNums

This table shows the number of the current online users.

XML structure

```

<Portal>
  <CurrentOnlineUserNums>
    <CurrentOnlineUserNum>
      <Num></Num>
    </CurrentOnlineUserNum>
  </CurrentOnlineUserNums>
</Portal>

```

Table description

Item	Description
Feature name	Portal
Table name	CurrentOnlineUserNums
Table type	Single-instance table
Row name	CurrentOnlineUserNum
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Num	Online user number	N/A	Value range: 0 to $2^{32} - 1$.	N/A

Portal/ObjectGroupStatistics

This table shows the number of online users per object group.

XML structure

```
<Portal>
  <ObjectGroupStatistics>
    <ObjectGroup>
      <GroupName></GroupName>
      <OnlineUserNum></OnlineUserNum>
    </ObjectGroup>
  </ObjectGroupStatistics>
</Portal>
```

Table description

Item	Description
Feature name	Portal
Table name	ObjectGroupStatistics
Table type	Multi-instance table
Row name	ObjectGroup
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	Name of group.	Index	String. Length: 1 to 31 characters.	N/A
OnlineUserNum	Online user num.	N/A	Value range: 0 to $2^{32} - 1$.	N/A

Portal/MacServer

This table contains information about portal mac trigger servers.

XML structure

```
<Portal>
  <MacTriggerSevers>
    <MacTriggerServer>
      <Name></Name>
      <IPAddressInfo>
        <IPAddress></IPAddress>
        <VRF></VRF>
        <Key></Key>
      </IPAddressInfo>
    </MacTriggerServer>
  </MacTriggerSevers>
</Portal>
```

```

    <Threshold></Threshold>
    <NasType></NasType>
    <MacSvrPort></MacSvrPort>
    <Detect>
        <MacSvrRetries></MacSvrRetries>
        <MacSvrRetryInterval></MacSvrRetryInterval>
    </Detect>
    <MacServerType></MacServerType>
    <Version></Version>
    <MacSvrAuthTimeOut></MacSvrAuthTimeOut>
    <AgingTime></AgingTime>
    <LocalBindingEnable></LocalBindingEnable>
    <LocalBindingAgingTime></LocalBindingAgingTime>
    <CloudBindingEnable></CloudBindingEnable>
</MacTriggerServer>
</MacTriggerServers>
</portal>

```

Table description

Item	Description
Feature name	Portal
Table name	MacTriggerServers
Table type	Multi-instance table
Row name	MacTriggerServer
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Portal mac-trigger server name	Index	String, case-sensitive. Length: 1 to 32 characters.	N/A
IPAddressInfo	Portal mac-trigger server address	Data structure	Members include: IPAddress VRF	N/A
IPAddress	IP address of the portal mac-trigger server	N/A	IPv4: String, dotted decimal notation.	N/A
VRF	VRF instance name	N/A	String, case-sensitive. Length: 1 to 31 characters.	If the portal mac-trigger server is on the public network, the length of characters is 0.

Column name	Column description	Column type	Data type and restrictions	Remarks
Key	Shared secret	N/A	String, case-sensitive. Length: 1 to 64 characters.	The key is used for communication between the portal mac-trigger server and the device. It supports only plaintext.
Threshold	the threshold for MAC-triggered authentication	N/A	Unsigned integer. Value range: 0 to 10240000	The default free-traffic threshold is 0 bytes.
NasType	NAS-Port-Type value	N/A	Unsigned integer. Value range: 1 to 255	The default NAS-Port-Type value carried in RADIUS requests is 0.
MacSvrPort	UDP port number	N/A	Unsigned integer. Value range: 1 to 65534	The default MAC binding server listens for MAC binding query packets on UDP port 50100.
Detect	Portal Mac-trigger server detection	Data structure	Members include: • Retry Interval	N/A
MacSvrRetries	Maximum number of portal Mac-trigger server detection attempts	N/A	Unsigned integer. Value range: 1~10	The default maximum number of query attempts is 3.
MacSvrRetryInterval	Detection interval	N/A	Unsigned integer. Value range:1~60	The default maximum number of query interval is 1 second.
MacServerType	a MAC binding server type	N/A	Boolean: • 0.imc 1.cmcc	The default type of a MAC binding server is IMC.
Version	Version number	N/A	Unsigned integer. Value range:1~3	The default version of the portal protocol is 1.
MacSvrAuthTimeout	Set the timeout time the device waits for portal authentication to complete	N/A	Unsigned integer. Value range:1~15	The default portal authentication timeout time is 3 minutes.
AgingTime	Set the aging time for MAC-trigger entries	N/A	Unsigned integer. Value range:60~7200	The default aging time for MAC-trigger entries is 300 seconds.
LocalBindingEnable	enable portal MAC-Trigger local-binding	N/A	Boolean: • true—Yes false—No	N/A
LocalBindingAgingTime	the aging time for MAC-trigger local-binding	N/A	Unsigned integer. Value range:1~2160	N/A

Column name	Column description entry	Column type	Data type and restrictions	Remarks
CloudBindingEnable	Enable portal MAC-Trigger cloud binding	N/A	Boolean: <ul style="list-style-type: none"> • true—Yes false—No 	N/A

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Radius

Radius/AuthServerState

RADIUS authentication server status table.

XML structure

```
<Radius>
  <AuthServerState>
    <VRF></VRF>
    <IpType></IpType>
    <Host></Host>
    <Port></Port>
    <State></State>
  </AuthServerState>
</Radius>
```

Table description

Item	Description
Feature name	Radius
Table name	AuthServerState
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VRF name.	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A
IpType	Type of the RADIUS authentication server address.	Index NULL is allowed.	Enumeration: <ul style="list-style-type: none">• 0—IPv4.• 1—IPv6.• 2—FQDN.	The value 2 for IpType is not supported currently. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Host	RADIUS authentication	Index NULL is	IPv4: String, dotted decimal notation.	If the IpType value is 0, this column represents

Column name	Column description	Column type	Data type and restrictions	Remarks
	server.	allowed.	IPv6: Hexadecimal string, colon-separated. FQDN: String of 1 to 255 characters.	the IPv4 address of the server. If the IpType value is 1, this column represents the IPv6 address of the server. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Port	UDP port number of the RADIUS authentication server.	Index NULL is allowed.	Unsigned integer. Value range: 1 to 65535.	Default: 1812.
State	Status of the RADIUS authentication server.	N/A	Enumeration: <ul style="list-style-type: none"> 0—Active 1—Block 	Default: 0.

Radius/AcctServerState

RADIUS accounting server status table.

XML structure

```

<Radius>
  <AcctServerState>
    <VRF></VRF>
    <IpType></IpType>
    <Host></Host>
    <Port></Port>
    <State></State>
  </AcctServerState>
</Radius>

```

Table description

Item	Description
Feature name	Radius
Table name	AcctServerState
Table type	Single-instance table

Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VRF name.	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A
IpType	Type of the RADIUS accounting server address.	Index NULL is allowed.	Enumeration: <ul style="list-style-type: none"> • 0—IPv4. • 1—IPv6. • 2—FQDN. 	The value 2 for IpType is not supported currently. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Host	RADIUS accounting server.	Index NULL is allowed.	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated. FQDN: String of 1 to 255 characters.	If the IpType value is 0, this column represents the IPv4 address of the server. If the IpType value is 1, this column represents the IPv6 address of the server. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Port	UDP port number of the RADIUS accounting server.	Index NULL is allowed.	Unsigned integer. Value range: 1 to 65535.	Default: 1813.
State	Status of the RADIUS accounting server.	N/A	Enumeration: <ul style="list-style-type: none"> • 0—Active • 1—Block 	Default: 0.

Radius/ClearAllStatistic

Clear all RADIUS statistics.

XML structure

```
<Radius>
  <CleanAllStatistic>
    <Clear></Clear>
  </CleanAllStatistic>
</Radius>
```

Table description

Item	Description
Feature name	Radius
Table name	ClearAllStatistic
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Clear	Clear all RADIUS statistics.	N/A	This column must be empty.

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Radius

Radius/Trap

SNMP notification information table of RADIUS.

XML structure

```
<Radius>
  <Trap>
    <AuthErrThreshold></AuthErrThreshold>
    <Switchs>
      <AuthServerDown></AuthServerDown>
      <AuthServerUp></AuthServerUp>
      <AcctServerDown></AcctServerDown>
      <AcctServerUp></AcctServerUp>
      <AuthErrReachThreshold></AuthErrReachThreshold>
    </Switchs>
  </Trap>
</Radius>
```

Table description

Item	Description
Feature name	Radius
Table name	Trap
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AuthErrThreshhold	The threshold for authentication failure notification	N/A	Unsigned integer. Value range: 1 to 100.	Default threshold: 30. An authentication failure notification will be sent if the number of authentication failures compared to the total number of authentication attempts exceeds the specified threshold.

Column name	Column description	Column type	Data type and restrictions	Remarks
				This column is not supported to configure at present.
Switchs	Whether to enable each type of notification	Data structure	Members include: <ul style="list-style-type: none"> AuthServerDown. AuthServerUp. AcctServerDown. AcctServerUp. AuthErrReachThreshold. 	N/A
AuthServerDown	Whether to send a notification after a RADIUS authentication server is down	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	Default: false.
AuthServerUp	Whether to send a notification after a RADIUS authentication server is up	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	Default: false.
AcctServerDown	Whether to send a notification after a RADIUS accounting server is down	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	Default: false.
AcctServerUp	Whether to send a notification after a RADIUS accounting server is up	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	Default: false.
AuthErrReachThreshold	Whether to send a notification when the number of authentication failures compared to the total number of authentication attempts exceeds the specified threshold	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	Default: false.

Radius/Dscp

The DSCP priority of RADIUS packets.

XML structure

```
<Radius>
  <Dscp>
    <Ipv4></Ipv4>
```

```

    <Ipv6></Ipv6>
  </Dscp>
</Radius>

```

Table description

Item	Description
Feature name	Radius
Table name	Dscp
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Ipv4	DSCP priority of IPv4 RADIUS packets	N/A	Unsigned integer. Value range: 0 to 63.	Default: 0.
Ipv6	DSCP priority of IPv6 RADIUS packets	N/A	Unsigned integer. Value range: 0 to 63.	Default: 0.

Radius/Client/GlobalNasIps

RADIUS global NAS IP information table.

XML structure

```

<Radius>
  <Client>
    <GlobalNasIps>
      <GlobalNasIp>
        <VRF></VRF>
        <IpType></IpType>
        <IpAddress></IpAddress>
      </GlobalNasIp>
    </GlobalNasIps>
  </Client>
</Radius>

```

Table description

Item	Description
Feature name	Radius
Table name	GlobalNasIps
Table type	Multi-instance table
Row name	GlobalNasIp
Restrictions	A maximum of 16 global NAS IP addresses are supported.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VPN instance name	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A
IpType	Type of the source IP address for outgoing RADIUS packets	Index	Enumeration: <ul style="list-style-type: none">• 0—IPv4.• 1—IPv6.	N/A
IpAddress	Source IP address for outgoing RADIUS packets	N/A	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated.	If the IpType value is 0, this column represents an IPv4 address. For example, 1.0.0.1. If the IpType value is 1, this column represents an IPv6 address. For example, 2001:12::1:2.

Radius/Client/ServerTestProfiles

The test profile table for RADIUS server status detection.

XML structure

```
<Radius>
  <Client>
    <ServerTestProfiles>
      <ServerTestProfile>
        <ProfileName></ProfileName>
        <UserName></UserName>
        <Interval></Interval>
      </ServerTestProfile>
    </ServerTestProfiles>
  </Client>
```

</Radius>

Table description

Item	Description
Feature name	Radius
Table name	ServerTestProfiles
Table type	Multi-instance table
Row name	ServerTestProfile
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ProfileName	Name of the RADIUS test profile	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A
UserName	User name for the RADIUS test profile	N/A	String, case-sensitive. Length: 1 to 253 characters.	This column is required.
Interval	Period for sending test packets	N/A	Unsigned integer. Value range: 1 to 3600, in minutes.	Default: 60 minutes.

Radius/Client/Schemes

RADIUS scheme table.

XML structure

```
<Radius>
  <Client>
    <Schemes>
      <Scheme>
        <SchemeName></SchemeName>
        <TimeUnitage></TimeUnitage>
        <RealAcctInterval></RealAcctInterval>
        <TimeOut></TimeOut>
        <QuietTime></QuietTime>
        <PktRetryTimes></PktRetryTimes>
        <RealAcctRetryTimes></RealAcctRetryTimes>
        <UserNameFormat></UserNameFormat>
        <BytesUnit></BytesUnit>
```

```

    <PacketsUnit></PacketsUnit>
    <NasIpv4Address></NasIpv4Address>
    <NasIpv6Address></NasIpv6Address>
    <AuthenKey></AuthenKey>
    <AcctKey></AcctKey>
    <VRF></VRF>
    <ClassType></ClassType>
    <AcctOnEnable></AcctOnEnable>
    <AcctOnSendInterval></AcctOnSendInterval>
    <AcctOnSendTimes></AcctOnSendTimes>
    <ChangePassword></ChangePassword>
  </Scheme>
</Schemes>
</Client>
</Radius>

```

Table description

Item	Description
Feature name	Radius
Table name	Schemes
Table type	Multi-instance table
Row name	Scheme
Restrictions	The device supports a maximum of 16 RADIUS schemes.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SchemeName	RADIUS scheme name	Index	String, case-insensitive. Length: 1 to 32 characters.	N/A
TimeUnitage	Measurement unit of the interval for sending realtime accounting packets	N/A	Enumeration: <ul style="list-style-type: none"> 0—Minute. 1—Second. 	Default: 0.
RealAcctInterval	Realtime accounting interval	N/A	Unsigned integer. Value range: 0 to 71582.	Default: 12 minutes. Zero indicates that the device does not send realtime accounting packets to the RADIUS accounting server. The unit of the realtime accounting interval is set through the

Column name	Column description	Column type	Data type and restrictions	Remarks
				<p>TimeUnitage column. If the TimeUnitage column is not set, the unit is minute.</p> <p>The device converts the interval value to a value in seconds even if the configured measurement unit is minute.</p> <p>After the realtime accounting interval is set, only deleting the TimeUnitage column does not affect the interval.</p>
TimeOut	RADIUS server response timeout period	N/A	Unsigned integer. Value range: 1 to 10, in seconds.	Default: 3 seconds.
QuietTime	Quiet timer for the servers specified in the RADIUS scheme	N/A	Unsigned integer. Value range: 1 to 255, in minutes.	Default: 5 minutes.
PktRetryTimes	Max number of attempts to send a RADIUS packet to a single RADIUS server	N/A	Unsigned integer. Value range: 1 to 20.	Default: 3.
RealAcctRetryTimes	Max number of realtime accounting attempts	N/A	Unsigned integer. Value range: 1 to 255.	Default: 5.
UserNameFormat	Format of user names to be sent to RADIUS servers	N/A	Enumeration: <ul style="list-style-type: none"> 0—keep-original. 1—with-domain. 2—without-domain. 	Default: 1.
BytesUnit	Data flow measurement unit for traffic statistics	N/A	Enumeration: <ul style="list-style-type: none"> 0—byte. 1—kilo-byte. 2—mega-byte. 3—giga-byte. 	Default: 0.
PacketsUnit	Packet measurement unit for traffic statistics	N/A	Enumeration: <ul style="list-style-type: none"> 0—one-packet. 1—kilo-packet. 2—mega-packet. 3—giga-packet. 	Default: 0.
NasIpv4Address	Source IPv4 address for outgoing RADIUS packets	N/A	String in dotted decimal notation.	For example, 10.1.1.1.

Column name	Column description	Column type	Data type and restrictions	Remarks
NasIpv6Address	Source IPv6 address for outgoing RADIUS packets	N/A	Hexadecimal string, colon-separated.	For example, 2001:12::22:33.
AuthenKey	Authentication shared key	N/A	In non-FIPS mode, a plaintext shared key is a string of 1 to 64 characters. In FIPS mode, a plaintext shared key is a string of 15 to 64 characters that must contain digits, uppercase letters, lowercase letters, and special characters.	The shared key is in plain text.
AcctKey	Accounting shared key	N/A	In non-FIPS mode, a plaintext shared key is a string of 1 to 64 characters. In FIPS mode, a plaintext shared key is a string of 15 to 64 characters that must contain digits, uppercase letters, lowercase letters, and special characters.	The shared key is in plain text.
VRF	VPN instance name for the RADIUS scheme	N/A	String, case-sensitive. Length: 1 to 31 characters.	N/A
ClassType	Whether to interpret the RADIUS class attribute (attribute 25) as CAR parameters	N/A	Enumeration: <ul style="list-style-type: none"> 0—Standard. 1—CAR. 	Default: 0.
AcctOnEnable	Whether to enable the accounting-on feature	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	Default: false.
AcctOnSendInterval	Interval for retransmitting an accounting-on packet	N/A	Unsigned integer. Value range: 1 to 15, in seconds.	Default: 3 seconds. Only when the AcctOnEnable column is true, this column is effective.
AcctOnSendTimes	Max number of accounting-on packet transmission attempts	N/A	Unsigned integer. Value range: 1 to 255.	Default: 50. Only when the AcctOnEnable column is true, this column is effective.
ChangePassword	Whether to enable the online password change feature	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	Default: 0.

Radius/Client/AuthServers

RADIUS authentication server table.

XML structure

```
<Radius>
  <Client>
    <AuthServers>
      <AuthServer>
        <SchemeName></SchemeName>
        <Priority></Priority>
        <VRF></VRF>
        <IpType></IpType>
        <Host></Host>
        <Port></Port>
        <Key></Key>
        <SvrTestProfileName></SvrTestProfileName>
      </AuthServer>
    </AuthServers>
  </Client>
</Radius>
```

Table description

Item	Description
Feature name	Radius
Table name	AuthServers
Table type	Multi-instance table
Row name	AuthServer
Restrictions	You can create one primary authentication server and a maximum of 16 secondary servers in one RADIUS scheme. To change the primary server, you must remove the old primary server first, and then specify a new primary server.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SchemeName	RADIUS scheme name	Index	String, case-insensitive. Length: 1 to 32 characters.	N/A
Priority	Priority	Index	Enumeration: <ul style="list-style-type: none">0—Primary authentication server.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 1—Secondary authentication server. 	
VRF	VPN instance name	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A
IpType	Type of the RADIUS authentication server address	Index	Enumeration: <ul style="list-style-type: none"> 0—IPv4. 1—IPv6. 2—FQDN. 	The value 2 for IpType is not supported currently. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Host	RADIUS authentication server	Index	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated. FQDN: String of 1 to 255 characters.	If the IpType value is 0, this column represents the IPv4 address of the server. If the IpType value is 1, this column represents the IPv6 address of the server. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Port	UDP port number of the RADIUS authentication server	Index	Unsigned integer. Value range: 1 to 65535.	Default: 1812.
Key	Shared key of RADIUS authentication packets	N/A	In non-FIPS mode, a plaintext shared key is a string of 1 to 64 characters. In FIPS mode, a plaintext shared key is a string of 15 to 64 characters that must contain digits, uppercase letters, lowercase letters, and special characters.	The shared key is in plain text.
SvrTestProfileName	Name of the test profile	N/A	String, case-sensitive. Length: 1 to 31 characters.	N/A

Radius/Client/AcctServers

RADIUS accounting server table.

XML structure

```
<Radius>
  <Client>
    <AcctServers>
      <AcctServer>
        <SchemeName></SchemeName>
        <Priority></Priority>
        <VRF></VRF>
        <IpType></IpType>
        <Host></Host>
        <Port></Port>
        <Key></Key>
      </AcctServer>
    </AcctServers>
  </Client>
</Radius>
```

Table description

Item	Description
Feature name	Radius
Table name	AcctServers
Table type	Multi-instance table
Row name	AcctServer
Restrictions	You can create one primary accounting server and a maximum of 16 secondary servers in one RADIUS scheme. To change the primary server, you must remove the old primary server first, and then specify a new primary server.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SchemeName	RADIUS scheme name	Index	String, case-insensitive. Length: 1 to 32 characters.	N/A
Priority	Priority	Index	Enumeration: <ul style="list-style-type: none">0—Primary accounting server.1—Secondary accounting server.	N/A
VRF	VPN instance name	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A
IpType	Type of the	Index	Enumeration:	The value 2 for IpType

Column name	Column description	Column type	Data type and restrictions	Remarks
	RADIUS accounting server address		<ul style="list-style-type: none"> 0—IPv4. 1—IPv6. 2—FQDN. 	is not supported currently. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Host	RADIUS accounting server	Index	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated. FQDN: String of 1 to 255 characters.	If the IpType value is 0, this column represents the IPv4 address of the server. If the IpType value is 1, this column represents the IPv6 address of the server. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Port	UDP port number of the RADIUS accounting server	Index	Unsigned integer. Value range: 1 to 65535.	Default: 1813.
Key	Shared key of RADIUS accounting packets	N/A	In non-FIPS mode, a plaintext shared key is a string of 1 to 64 characters. In FIPS mode, a plaintext shared key is a string of 15 to 64 characters that must contain digits, uppercase letters, lowercase letters, and special characters.	The shared key is in plain text.

Radius/Server/SessCtrlService

RADIUS session-control feature table.

XML structure

```

<Radius>
  <Server>
    <SessCtrlService>
      <Status></Status>
      <Port></Port>
    </SessCtrlService>
  </Server>
</Radius>

```

```

    </Server>
  </Radius>

```

Table description

Item	Description
Feature name	Radius
Table name	SessCtrlService
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Status	Whether to enable the RADIUS session-control feature	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	Default: false.
Port	UDP port listening for RADIUS session-control packets	N/A	Unsigned integer. Value range: 1 to 65535.	Default: 1812. The value is not supported to configure at present.

Radius/Server/SessCtrlClients

RADIUS session-control client table.

XML structure

```

<Radius>
  <Server>
    <SessCtrlClients>
      <SessCtrlClient>
        <VRF></VRF>
        <IpType></IpType>
        <IpAddress></IpAddress>
        <Key></Key>
      </SessCtrlClient>
    </SessCtrlClients>
  </Server>
</Radius>

```

Table description

Item	Description
Feature name	Radius
Table name	SessCtrlClients
Table type	Multi-instance table
Row name	SessCtrlClient
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VPN instance name	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A
IpType	Type of the session-control client IP address	Index	Enumeration: <ul style="list-style-type: none">• 0—IPv4.• 1—IPv6.	N/A
IpAddress	IP address of the session-control client	Index	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated.	If the IpType value is 0, this column represents the IPv4 address of the client. For example, 1.0.0.1. If the IpType value is 1, this column represents the IPv6 address of the client. For example, 2001:12::1:2.
Key	Shared key of RADIUS session-control packets	N/A	In non-FIPS mode, a plaintext shared key is a string of 1 to 64 characters. In FIPS mode, a plaintext shared key is a string of 15 to 64 characters that must contain digits, uppercase letters, lowercase letters, and special characters.	The shared key is in plain text.

Radius/Server/DaeService

RADIUS DAE server feature table.

XML structure

```
<Radius>
  <Server>
    <DaeService>
```

```

    <Status></Status>
    <Port></Port>
  </DaeService>
</Server>
</Radius>

```

Table description

Item	Description
Feature name	Radius
Table name	DaeService
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Status	Whether to enable the RADIUS DAE server feature	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	Default: false.
Port	UDP port listening for RADIUS DAE packets	N/A	Unsigned integer. Value range: 1 to 65535.	Default: 3799. This column is effective only when the Status column is true.

Radius/Server/DaeClients

RADIUS DAE client table.

XML structure

```

<Radius>
  <Server>
    <DaeClients>
      <DaeClient>
        <VRF></VRF>
        <IpType></IpType>
        <IpAddress></IpAddress>
        <Key></Key>
      </DaeClient>
    </DaeClients>
  </Server>

```

</Radius>

Table description

Item	Description
Feature name	Radius
Table name	DaeClients
Table type	Multi-instance table
Row name	DaeClient
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VPN instance name	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A
IpType	Type of the DAE client IP address	Index	Enumeration: <ul style="list-style-type: none">• 0—IPv4.• 1—IPv6.	N/A
IpAddress	IP address of the DAE client	Index	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated.	If the IpType value is 0, this column represents the IPv4 address of the client. For example, 1.0.0.1. If the IpType value is 1, this column represents the IPv6 address of the client. For example, 2001:12::1:2.
Key	Shared key of RADIUS DAE packets	N/A	In non-FIPS mode, a plaintext shared key is a string of 1 to 64 characters. In FIPS mode, a plaintext shared key is a string of 15 to 64 characters that must contain digits, uppercase letters, lowercase letters, and special characters.	The shared key is in plain text.

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Radius

Radius/Trap

SNMP notification information table of RADIUS.

XML structure

```
<Radius>
  <Trap>
    <AuthErrThreshold></AuthErrThreshold>
    <Switchs>
      <AuthServerDown></AuthServerDown>
      <AuthServerUp></AuthServerUp>
      <AcctServerDown></AcctServerDown>
      <AcctServerUp></AcctServerUp>
      <AuthErrReachThreshold></AuthErrReachThreshold>
    </Switchs>
  </Trap>
</Radius>
```

Table description

Item	Description
Feature name	Radius
Table name	Trap
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AuthErrThresh hold	The threshold for authentication failure notification	N/A	Unsigned integer. Value range: 1 to 100.	Default: 30. An authentication failure notification will be sent if the number of authentication failures compared to the total number of authentication attempts exceeds the specified threshold. This column is not supported to configure

Column name	Column description	Column type	Data type and restrictions	Remarks
				at present.
Switchs	Whether to enable each type of notification	Data structure	Members include: <ul style="list-style-type: none"> AuthServerDown. AuthServerUp. AcctServerDown. AcctServerUp. AuthErrReachThreshold. 	N/A
AuthServerDown	Whether to send a notification after a RADIUS authentication server is down	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	Default: false.
AuthServerUp	Whether to send a notification after a RADIUS authentication server is up	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	Default: false.
AcctServerDown	Whether to send a notification after a RADIUS accounting server is down	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	Default: false.
AcctServerUp	Whether to send a notification after a RADIUS accounting server is up	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	Default: false.
AuthErrReachThreshold	Whether to send a notification when the number of authentication failures compared to the total number of authentication attempts exceeds the specified threshold	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	Default: false.

Radius/Dscp

The DSCP priority of RADIUS packets.

XML structure

```

<Radius>
  <Dscp>
    <Ipv4></Ipv4>
    <Ipv6></Ipv6>
  </Dscp>

```

</Radius>

Table description

Item	Description
Feature name	Radius
Table name	Dscp
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Ipv4	DSCP priority of IPv4 RADIUS packets	N/A	Unsigned integer. Value range: 0 to 63.	Default: 0.
Ipv6	DSCP priority of IPv6 RADIUS packets	N/A	Unsigned integer. Value range: 0 to 63.	Default: 0.

Radius/Client/GlobalNasIps

RADIUS global NAS IP information table.

XML structure

```
<Radius>
  <Client>
    <GlobalNasIps>
      <GlobalNasIp>
        <VRF></VRF>
        <IpType></IpType>
        <IpAddress></IpAddress>
      </GlobalNasIp>
    </GlobalNasIps>
  </Client>
</Radius>
```

Table description

Item	Description
Feature name	Radius
Table name	GlobalNasIps

Item	Description
Table type	Multi-instance table
Row name	GlobalNasIp
Restrictions	A maximum of 16 global NAS IP addresses are supported.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VPN instance name	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A
IpType	Type of the source IP address for outgoing RADIUS packets	Index	Enumeration: <ul style="list-style-type: none"> 0—IPv4. 1—IPv6. 	N/A
IpAddress	Source IP address for outgoing RADIUS packets	N/A	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated.	If the IpType value is 0, this column represents an IPv4 address. For example, 1.0.0.1. If the IpType value is 1, this column represents an IPv6 address. For example, 2001:12::1:2.

Radius/Client/ServerTestProfiles

The test profile table for RADIUS server status detection.

XML structure

```

<Radius>
  <Client>
    <ServerTestProfiles>
      <ServerTestProfile>
        <ProfileName></ProfileName>
        <UserName></UserName>
        <Interval></Interval>
      </ServerTestProfile>
    </ServerTestProfiles>
  </Client>
</Radius>

```

Table description

Item	Description
Feature name	Radius
Table name	ServerTestProfiles
Table type	Multi-instance table
Row name	ServerTestProfile
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ProfileName	Name of the RADIUS test profile	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A
UserName	User name for the RADIUS test profile	N/A	String, case-sensitive. Length: 1 to 253 characters.	This column is required.
Interval	Period for sending test packets	N/A	Unsigned integer. Value range: 1 to 3600, in minutes.	Default: 60 minutes.

Radius/Client/Schemes

RADIUS scheme table.

XML structure

```
<Radius>
  <Client>
    <Schemes>
      <Scheme>
        <SchemeName></SchemeName>
        <RealAcctInterval></RealAcctInterval>
        <TimeOut></TimeOut>
        <QuietTime></QuietTime>
        <PktRetryTimes></PktRetryTimes>
        <RealAcctRetryTimes></RealAcctRetryTimes>
        <UserNameFormat></UserNameFormat>
        <BytesUnit></BytesUnit>
        <PacketsUnit></PacketsUnit>
        <NasIpv4Address></NasIpv4Address>
        <NasIpv6Address></NasIpv6Address>
        <VRF></VRF>
```

```

    <ClassType></ClassType>
    <AcctOnEnable></AcctOnEnable>
    <AcctOnSendInterval></AcctOnSendInterval>
    <AcctOnSendTimes></AcctOnSendTimes>
    <ChangePassword></ChangePassword>
  </Scheme>
</Schemes>
</Client>
</Radius>

```

Table description

Item	Description
Feature name	Radius
Table name	Schemes
Table type	Multi-instance table
Row name	Scheme
Restrictions	A maximum of 16 RADIUS schemes are supported.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SchemeName	RADIUS scheme name	Index	String, case-insensitive. Length: 1 to 32 characters.	N/A
RealAcctInterval	Realtime accounting interval	N/A	Unsigned integer. Value range: 0 to 71582, in seconds.	The device converts the interval value to a value in seconds even if the configured measurement unit is minute. Zero indicates that the device doesn't send realtime accounting packets to the RADIUS accounting server.
TimeOut	RADIUS server response timeout period	N/A	Unsigned integer. Value range: 1 to 10, in seconds.	Default: 3 seconds.
QuietTime	Quiet timer for the servers specified in the RADIUS scheme	N/A	Unsigned integer. Value range: 1 to 255, in minutes.	Default: 5 minutes.
PktRetryTimes	Max number of attempts to send a RADIUS packet to a single RADIUS server	N/A	Unsigned integer. Value range: 1 to 20.	Default: 3.

Column name	Column description	Column type	Data type and restrictions	Remarks
RealAcctRetryTimes	Max number of realtime accounting attempts	N/A	Unsigned integer. Value range: 1 to 255.	Default: 5.
UserNameFormat	Format of user names to be sent to RADIUS servers	N/A	Enumeration: <ul style="list-style-type: none"> 0—keep-original. 1—with-domain. 2—without-domain. 	Default: 1.
BytesUnit	Data flow measurement unit for traffic statistics	N/A	Enumeration: <ul style="list-style-type: none"> 0—byte. 1—kilo-byte. 2—mega-byte. 3—giga-byte. 	Default: 0.
PacketsUnit	Packet measurement unit for traffic statistics	N/A	Enumeration: <ul style="list-style-type: none"> 0—one-packet. 1—kilo-packet. 2—mega-packet. 3—giga-packet. 	Default: 0.
NasIpv4Address	Source IPv4 address for outgoing RADIUS packets	N/A	String in dotted decimal notation.	For example, 10.1.1.1.
NasIpv6Address	Source IPv6 address for outgoing RADIUS packets	N/A	Hexadecimal string, colon-separated.	For example, 2001:12::22:33.
VRF	VPN instance name for the RADIUS scheme	N/A	String, case-sensitive. Length: 1 to 31 characters.	N/A
ClassType	Whether to interpret the RADIUS class attribute (attribute 25) as CAR parameters	N/A	Enumeration: <ul style="list-style-type: none"> 0—Standard. 1—CAR. 	Default: 0.
AcctOnEnable	Whether to enable the accounting-on feature	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	Default: false.
AcctOnSendInterval	Time interval for retransmitting an accounting-on packet	N/A	Unsigned integer. Value range: 1 to 15, in seconds.	Default: 3 seconds. This column is effective only when the AcctOnEnable value is true.
AcctOnSendTimes	Max number of attempts for transmitting an accounting-on packet	N/A	Unsigned integer. Value range: 1 to 255.	Default: 50. This column is effective only when the AcctOnEnable value is true.
ChangePass	Enabling status	N/A	Enumeration:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
word	of the online password change feature		<ul style="list-style-type: none"> 0—Disabled. 1—Enabled. 	

Radius/Client/AuthServers

RADIUS authentication server table.

XML structure

```

<Radius>
  <Client>
    <AuthServers>
      <AuthServer>
        <SchemeName></SchemeName>
        <Priority></Priority>
        <VRF></VRF>
        <IpType></IpType>
        <Host></Host>
        <Port></Port>
        <SvrTestProfileName></SvrTestProfileName>
        <State></State>
      </AuthServer>
    </AuthServers>
  </Client>
</Radius>

```

Table description

Item	Description
Feature name	Radius
Table name	AuthServers
Table type	Multi-instance table
Row name	AuthServer
Restrictions	You can specify one primary authentication server and a maximum of 16 secondary servers in one RADIUS scheme. To change the primary server, you must remove the old primary server first, and then specify a new primary server.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SchemeName	RADIUS scheme name	Index	String, case-insensitive. Length: 1 to 32 characters.	N/A
Priority	Priority	Index	Enumeration: <ul style="list-style-type: none"> 0—Primary authentication server. 1—Secondary authentication server. 	N/A
VRF	VPN instance name	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A
IpType	Type of the RADIUS authentication server address	Index	Enumeration: <ul style="list-style-type: none"> 0—IPv4. 1—IPv6. 2—FQDN. 	The value 2 for IpType is not supported currently. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Host	RADIUS authentication server	Index	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated. FQDN: String of 1 to 255 characters.	If the IpType value is 0, this column represents the IPv4 address of the server. If the IpType value is 1, this column represents the IPv6 address of the server. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Port	UDP port number of the RADIUS authentication server	Index	Unsigned integer. Value range: 1 to 65535.	Default: 1812.
SvrTestProfileName	Name of the test profile	N/A	String, case-sensitive. Length: 1 to 31 characters.	N/A
State	Status of the RADIUS authentication server	N/A	Enumeration: <ul style="list-style-type: none"> 0—Active. 1—Blocked. 	N/A

Radius/Client/AcctServers

RADIUS accounting server table.

XML structure

```
<Radius>
  <Client>
    <AcctServers>
      <AcctServer>
        <SchemeName></SchemeName>
        <Priority></Priority>
        <VRF></VRF>
        <IpType></IpType>
        <Host></Host>
        <Port></Port>
        <State></State>
      </AcctServer>
    </AcctServers>
  </Client>
</Radius>
```

Table description

Item	Description
Feature name	Radius
Table name	AcctServers
Table type	Multi-instance table
Row name	AcctServer
Restrictions	You can specify one primary accounting server and a maximum of 16 secondary servers in one RADIUS scheme. To change the primary server, you must remove the old primary server first, and then specify a new primary server.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SchemeName	RADIUS scheme name	Index	String, case-insensitive. Length: 1 to 32 characters.	N/A
Priority	Priority	Index	Enumeration: <ul style="list-style-type: none">0—Primary accounting server.1—Secondary accounting server.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VPN instance name	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A
IpType	Type of the RADIUS accounting server address	Index	Enumeration: <ul style="list-style-type: none"> 0—IPv4. 1—IPv6. 2—FQDN. 	The value 2 for IpType is not supported currently. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Host	RADIUS accounting server	Index	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated. FQDN: String of 1 to 255 characters.	If the IpType value is 0, this column represents the IPv4 address of the server. If the IpType value is 1, this column represents the IPv6 address of the server. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Port	UDP port number of the RADIUS accounting server	Index	Unsigned integer. Value range: 1 to 65535.	Default: 1813.
State	Status of the RADIUS accounting server	N/A	Enumeration: <ul style="list-style-type: none"> 0—Active. 1—Blocked. 	N/A

Radius/Server/SessCtrlService

RADIUS session-control feature table.

XML structure

```

<Radius>
  <Server>
    <SessCtrlService>
      <Status></Status>
      <Port></Port>
    </SessCtrlService>
  </Server>

```

</Radius>

Table description

Item	Description
Feature name	Radius
Table name	SessCtrlService
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Status	Whether to enable the RADIUS session-control feature	N/A	Boolean: <ul style="list-style-type: none">true.false.	Default: false.
Port	UDP port listening for RADIUS session-control packets	N/A	Unsigned integer. Value range: 1 to 65535.	Default: 1812. The value is not supported to configure at present.

Radius/Server/SessCtrlClients

RADIUS session-control client table.

XML structure

```
<Radius>
  <Server>
    <SessCtrlClients>
      <SessCtrlClient>
        <VRF></VRF>
        <IpType></IpType>
        <IpAddress></IpAddress>
      </SessCtrlClient>
    </SessCtrlClients>
  </Server>
</Radius>
```

Table description

Item	Description
Feature name	Radius
Table name	SessCtrlClients
Table type	Multi-instance table
Row name	SessCtrlClient
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VPN instance name	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A
IpType	Type of the session-control client address	Index	Enumeration: <ul style="list-style-type: none">0—IPv4.1—IPv6.	N/A
IpAddress	IP address of the session-control client	Index	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated.	If the IpType value is 0, this column represents the IPv4 address of the client. For example, 1.0.0.1. If the IpType value is 1, this column represents the IPv6 address of the client. For example, 2001:12::1:2.

Radius/Server/DaeService

RADIUS DAE server feature table.

XML structure

```
<Radius>
  <Server>
    <DaeService>
      <Status></Status>
      <Port></Port>
    </DaeService>
  </Server>
</Radius>
```

Table description

Item	Description
Feature name	Radius
Table name	DaeService
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Status	Whether to enable the RADIUS DAE server feature	N/A	Boolean: <ul style="list-style-type: none">true.false.	Default: false.
Port	UDP port listening for RADIUS DAE packets	N/A	Unsigned integer. Value range: 1 to 65535.	Default: 3799. This column is effective only when the Status column is true.

Radius/Server/DaeClients

RADIUS DAE client table.

XML structure

```
<Radius>
  <Server>
    <DaeClients>
      <DaeClient>
        <VRF></VRF>
        <IpType></IpType>
        <IpAddress></IpAddress>
      </DaeClient>
    </DaeClients>
  </Server>
</Radius>
```

Table description

Item	Description
Feature name	Radius

Item	Description
Table name	DaeClients
Table type	Multi-instance table
Row name	DaeClient
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VPN instance name	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A
IpType	Type of the DAE client IP address	Index	Enumeration: <ul style="list-style-type: none"> 0—IPv4. 1—IPv6. 	N/A
IpAddress	IP address of the DAE client	Index	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated.	If the IpType value is 0, this column represents the IPv4 address of the client. For example, 1.0.0.1. If the IpType value is 1, this column represents the IPv6 address of the client. For example, 2001:12::1:2.

Radius/Statistic/AuthServers

RADIUS authentication server statistics table.

XML structure

```

<Radius>
  <Statistic>
    <AuthServers>
      <AuthServer>
        <VRF></VRF>
        <IpType></IpType>
        <Host></Host>
        <Port></Port>
        <Request></Request>
        <ReTrans></ReTrans>
        <Accept></Accept>
        <Reject></Reject>
        <Challenge></Challenge>
        <Malformed></Malformed>
        <BadAuthenticator></BadAuthenticator>
      </AuthServer>
    </AuthServers>
  </Statistic>
</Radius>

```

```

    <PendingRequest></PendingRequest>
    <TimeOut></TimeOut>
    <UnKnownType></UnKnownType>
    <Dropped></Dropped>
    <LastRoundTripTime></LastRoundTripTime>
  </AuthServer>
</AuthServers>
</Statistic>
</Radius>

```

Table description

Item	Description
Feature name	Radius
Table name	AuthServers
Table type	Multi-instance table
Row name	AuthServer
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VPN instance name	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A
IpType	Type of the RADIUS authentication server address	Index	Enumeration: <ul style="list-style-type: none"> 0—IPv4. 1—IPv6. 2—FQDN. 	The value 2 for IpType is not supported currently. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Host	RADIUS authentication server	Index	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated. FQDN: String of 1 to 255 characters.	If the IpType value is 0, this column represents the IPv4 address of the server. If the IpType value is 1, this column represents the IPv6 address of the server. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system

Column name	Column description	Column type	Data type and restrictions	Remarks
				reports an error.
Port	UDP port number for the RADIUS authentication server	Index	Unsigned integer. Value range: 1 to 65535.	Default: 1812.
Request	Number of RADIUS Access-Request packets sent to this server	N/A	Unsigned integer.	This column does not include retransmissions.
ReTrans	Number of RADIUS Access-Request packets retransmitted to this server	N/A	Unsigned integer.	N/A
Accept	Number of RADIUS Access-Accept packets (valid or invalid) received from this server	N/A	Unsigned integer.	N/A
Reject	Number of RADIUS Access-Reject packets (valid or invalid) received from this server	N/A	Unsigned integer.	N/A
Challenge	Number of RADIUS Access-Challenge packets (valid or invalid) received from this server	N/A	Unsigned integer.	N/A
Malformed	Number of malformed RADIUS authentication responses received from this server	N/A	Unsigned integer.	The BadAuthenticator and UnknownType statistics are not included. Malformed packets include packets with an invalid length.
BadAuthenticator	Number of RADIUS authentication responses received from this server	N/A	Unsigned integer.	The packets contain invalid authenticators or Signature attributes.
PendingRequest	Number of RADIUS Access-Request packets waiting for responses	N/A	Unsigned integer.	This variable is incremented when an Access-Request is sent. This variable is decremented because

Column name	Column description	Column type	Data type and restrictions	Remarks
				of the receipt of an Access-Accept, Access-Reject, or Access-Challenge, or because of a request timeout or retransmission.
TimeOut	Number of authentication timeouts to this server	N/A	Unsigned integer.	After a timeout, the client may retransmit the authentication request to the same server, send a new request to another server, or give up.
UnKnownType	Number of unknown-type RADIUS packets that were received from this server on the authentication port	N/A	Unsigned integer.	N/A
Dropped	Number of RADIUS packets that were received from this server on the authentication port and dropped for some other reason	N/A	Unsigned integer.	N/A
LastRoundTripTime	Time interval (in hundredths of a second) between the most recent authentication response and request exchanged with the RADIUS authentication server	N/A	Unsigned integer.	N/A

Radius/Statistic/AcctServers

RADIUS accounting server statistics table.

XML structure

```

<Radius>
  <Statistic>
    <AcctServers>
      <AcctServer>
        <VRF></VRF>
      </AcctServer>
    </AcctServers>
  </Statistic>
</Radius>

```

```

    <IpType></IpType>
    <Host></Host>
    <Port></Port>
    <Request></Request>
    <ReTrans></ReTrans>
    <Response></Response>
    <Malformed></Malformed>
    <BadAuthenticator></BadAuthenticator>
    <PendingRequest></PendingRequest>
    <TimeOut></TimeOut>
    <UnKnownType></UnKnownType>
    <Dropped></Dropped>
    <LastRoundTripTime></LastRoundTripTime>
    <AcctStartRequest></AcctStartRequest>
    <AcctStartResponse></AcctStartResponse>
    <AcctUpdateRequest></AcctUpdateRequest>
    <AcctUpdateResponse></AcctUpdateResponse>
    <AcctStopRequest></AcctStopRequest>
    <AcctStopResponse></AcctStopResponse>
  </AcctServer>
</AcctServers>
</Statistic>
</Radius>

```

Table description

Item	Description
Feature name	Radius
Table name	AcctServers
Table type	Multi-instance table
Row name	AcctServer
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VPN instance name	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A
IpType	Type of the RADIUS accounting server	Index	Enumeration: <ul style="list-style-type: none"> 0—IPv4. 1—IPv6. 2—FQDN. 	The value 2 for IpType is not supported currently. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is

Column name	Column description	Column type	Data type and restrictions	Remarks
				unavailable, the system reports an error.
Host	RADIUS accounting server	Index	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated. FQDN: String of 1 to 255 characters.	If the IpType value is 0, this column represents the IPv4 address of the server. If the IpType value is 1, this column represents the IPv6 address of the server. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Port	UDP port number of the RADIUS accounting server	Index	Unsigned integer. Value range: 1 to 65535.	N/A
Request	Number of RADIUS Accounting-Request packets sent to this server	N/A	Unsigned integer.	This column does not include retransmissions.
ReTrans	Number of RADIUS Accounting-Request packets retransmitted to this server	N/A	Unsigned integer.	Retransmissions include the retries in which the Identifier and Acct-Delay have been updated, as well as the retries in which the Identifier and Acct-Delay have not been updated.
Response	Number of RADIUS packets received on the accounting port from this server	N/A	Unsigned integer.	N/A
Malformed	Number of malformed RADIUS Accounting-Response packets received from this server	N/A	Unsigned integer.	The BadAuthenticator and UnknownType statistics are not included. Malformed packets include packets with an invalid length.
BadAuthenticator	Number of RADIUS Accounting-Response packets received from this server	N/A	Unsigned integer.	The packets contain invalid authenticators.

Column name	Column description	Column type	Data type and restrictions	Remarks
PendingRequest	Number of RADIUS Accounting-Request packets waiting for responses	N/A	Unsigned integer.	This variable is incremented when an Accounting-Request is sent. This variable is decremented because of the receipt of an Accounting-Response or a request timeout or retransmission.
TimeOut	Number of accounting timeouts to this server	N/A	Unsigned integer.	After a timeout, the client may retransmit the accounting request to the same server, send a new request to another server, or give up.
UnknownType	Number of unknown-type RADIUS packets that were received from this server on the accounting port	N/A	Unsigned integer.	N/A
Dropped	Number of RADIUS packets that were received from this server on the accounting port and dropped for some other reason	N/A	Unsigned integer.	N/A
LastRoundTripTime	Time interval between the most recent Accounting-Response and the Accounting-Request exchanged with the RADIUS accounting server	N/A	Unsigned integer.	N/A
AcctStartRequest	Number of start accounting requests sent to this server	N/A	Unsigned integer.	N/A
AcctStartResponse	Number of start accounting responses received from this server	N/A	Unsigned integer.	N/A
AcctUpdateRequest	Number of realtime accounting requests sent to	N/A	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	this server			
AcctUpdateResponse	Number of realtime accounting responses received from this server	N/A	Unsigned integer.	N/A
AcctStopRequest	Number of stop accounting requests sent to this server	N/A	Unsigned integer.	N/A
AcctStopResponse	Number of stop accounting responses received from this server	N/A	Unsigned integer.	N/A

Radius/Statistic/SessCtrl

The statistics table of the session-control feature.

XML structure

```

<Radius>
  <Statistic>
    <SessCtrl>
      <Request></Request>
      <Response></Response>
      <Dropped></Dropped>
      <CheckFail></CheckFail>
      <Terminate></Terminate>
      <SetPolicy></SetPolicy>
    </SessCtrl>
  </Statistic>
</Radius>

```

Table description

Item	Description
Feature name	Radius
Table name	SessCtrl
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Request	Number of received session-control request packets	N/A	Unsigned integer.	N/A
Response	Number of sent session-control response packets	N/A	Unsigned integer.	N/A
Dropped	Number of discarded session-control request packets	N/A	Unsigned integer.	The CheckFail statistics are not included.
CheckFail	Number of check-failed session-control request packets	N/A	Unsigned integer.	N/A
Terminate	Number of user-offline session-control request packets	N/A	Unsigned integer.	N/A
SetPolicy	Number of session-control request packets for modifying user permissions	N/A	Unsigned integer.	N/A

Radius/Statistic/Dae

The statistics table of the DAE server feature.

XML structure

```
<Radius>
  <Statistic>
    <Dae>
      <Request></Request>
      <ReTrans></ReTrans>
      <Response></Response>
      <Dropped></Dropped>
      <CheckFail></CheckFail>
      <Disconnect></Disconnect>
      <Coa></Coa>
      <UnknownType></UnknownType>
    </Dae>
  </Statistic>
</Radius>
```

Table description

Item	Description
Feature name	Radius
Table name	Dae
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Request	Number of received DAE request packets	N/A	Unsigned integer.	N/A
ReTrans	Number of DAE request packets retransmitted by the DAE clients	N/A	Unsigned integer.	N/A
Response	Number of DAE response packets sent to the DAE clients	N/A	Unsigned integer.	N/A
Dropped	Number of discarded DAE request packets	N/A	Unsigned integer.	The CheckFail and UnknownType statistics are not included.
CheckFail	Number of check-failed DAE request packets	N/A	Unsigned integer.	N/A
UnknownType	Number of unknown DAE request packets	N/A	Unsigned integer.	N/A
Disconnect	Number of user-offline DAE request packets	N/A	Unsigned integer.	N/A
Coa	Number of DAE request packets for modifying user permissions	N/A	Unsigned integer.	N/A

Radius/PasswordLimit

Requirements to meet when you configure passwords for the RADIUS module.

XML structure

```
<Radius>
```

```

<PasswordLimit>
  <MinLen></MinLen>
  <MaxLen></MaxLen>
  <MinTypeNum></MinTypeNum>
</PasswordLimit>
</Radius>

```

Table description

Item	Description
Feature name	Radius
Table name	PasswordLimit
Table type	Single-instance table
Row name	None
Restrictions	<ul style="list-style-type: none"> The configuration takes effect on the following items: <ul style="list-style-type: none"> Radius/Client/Schemes table: <pre><AuthenKey></AuthenKey> <AcctKey></AcctKey></pre> Radius/Client/AuthServers table: <pre><Key></Key></pre> Radius/Client/AcctServers table: <pre><Key></Key></pre> Radius/Server/SessCtrlClients table: <pre><Key></Key></pre> Radius/Server/DaeClients table: <pre><Key></Key></pre> Radius/Proxy/DaeProxyClients table: <pre><Key></Key></pre> Data restrictions acquired in FIPS mode are different from the data restrictions acquired in non-FIPS mode.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
MinLen	Minimum password length	N/A	Unsigned integer.	N/A
MaxLen	Maximum password length	N/A	Unsigned integer.	N/A
MinTypeNum	Minimum number of character types that the password must contain	N/A	Unsigned integer.	Character types include digit, uppercase letter, lowercase letter, and special character. For example, if the value is set to 3, the password string must include three or more character

Column name	Column description	Column type	Data type and restrictions	Remarks
				types.

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RBAC

RBAC/Roles

RBAC role table.

XML structure

```
<RBAC>
  <Roles>
    <Role>
      <RoleName></RoleName>
      <Description></Description>
      <PermitAllInterface></PermitAllInterface>
      <PermitAllVLAN></PermitAllVLAN>
      <PermitAllVRF></PermitAllVRF>
      <PermitAllSecZone></PermitAllSecZone>
    </Role>
  </Roles>
</RBAC>
```

Table description

Item	Description
Feature name	RBAC
Table name	Roles
Table type	Multi-instance table
Row name	Role
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RoleName	Name of the role	Index	String. Length: 1 to 63 characters.	N/A
Description	Description of the role	N/A	String. Length: 1 to 128 characters.	Predefined roles have default descriptions, which are different. User-defined roles do not have default

Column name	Column description	Column type	Data type and restrictions	Remarks
				descriptions.
PermitAllInterface	Whether to allow access to all interfaces	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default value is true.
PermitAllVLAN	Whether to allow access to all VLANs	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default value is true.
PermitAllVRF	Whether to allow access to all VRFs	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default value is true.
PermitAllSecZone	Whether to allow access to all security zones	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default value is true.

RBAC/Rules

RBAC rule table.

XML structure

```

<RBAC>
  <Rules>
    <Rule>
      <RoleName></RoleName>
      <RuleIndex></RuleIndex>
      <Action></Action>
      <ReadOperation></ReadOperation>
      <WriteOperation></WriteOperation>
      <ExecOperation></ExecOperation>
      <EntityType></EntityType>
      <Entity></Entity>
    </Rule>
  </Rules>
</RBAC>

```

Table description

Item	Description
Feature name	RBAC
Table name	Rules
Table type	Multi-instance table
Row name	Rule
Restrictions	When the EntityType value is feature , the Entity value

	must be selected from the RBAC/Features table, and the RoleName value must be selected from the RBAC/Roles table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RoleName	Name of the role	Index	String. Length: 1 to 63 characters.	N/A
RuleIndex	Index of the rule	Index	Unsigned integer. Value range: 1 to 256.	The bigger the index, the higher the priority. RBAC rules are matched in descending order of priority.
Action	Action	N/A	Enumeration: <ul style="list-style-type: none"> 0—permit. 1—deny. 	N/A
ReadOperation	Whether it is a read operation	N/A	Boolean: <ul style="list-style-type: none"> true false 	Perform a read operation on the entity.
WriteOperation	Whether it is a write operation	N/A	Boolean: <ul style="list-style-type: none"> true false 	Perform a write operation on the entity.
ExecOperation	Whether it is an execute operation	N/A	Boolean: <ul style="list-style-type: none"> true false 	Perform an execute operation on the entity.
EntityType	Type of the entity	N/A	Enumeration: <ul style="list-style-type: none"> 0—Command. 1—Feature. 2—Feature group. 3—Web menu. 4—XML element. 5—SNMP OID. 	The system ignores values of the ReadOperation, WriteOperation, and ExecOperation columns of entities of command type.
Entity	Entity	N/A	Command: String. Length: 1 to 128 characters. Feature: String. Length: 1 to 15 characters. Feature group: String. Length: 1 to 31 characters. Web menu: String.	For information about different types of entities, see the RBAC configuration in the user manual.

Column name	Column description	Column type	Data type and restrictions	Remarks
			Length: 1 to 255 characters. XML element: String. Length: 1 to 255 characters. SNMP OID: String. Length: 1 to 255 characters.	

RBAC/Policies/InterfacePolicies

RBAC interface policy table.

XML structure

```

<RBAC>
  <Policies>
    <InterfacePolicies>
      <Policy>
        <RoleName></RoleName>
        <InterfaceListPermitted></InterfaceListPermitted>
      </Policy>
    </InterfacePolicies>
  </Policies>
</RBAC>

```

Table description

Item	Description
Feature name	RBAC
Table name	InterfacePolicies
Table type	Multi-instance table
Row name	Policy
Restrictions	Select the value of RoleName from the RBAC/Roles table. Before configuring the table, first set the value of PermitAllInterface to false in the RBAC/Roles table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RoleName	Name of the role	Index	String. Length: 1 to 63 characters.	N/A
InterfaceListPermitted	A list of permitted interfaces specified by full names	N/A	String. Length: 0 to 32767 characters.	To specify an interface range, make sure the interfaces are located on the same chassis, slot, or subslot. Specify the interface range with the last portion of the interface number. For example, set the list the following: GigabitEthernet0/0/1, GigabitEthernet0/0/10 to GigabitEthernet0/0/20, GigabitEthernet0/0/25

RBAC/Policies/VLANPolicies

RBAC VLAN policy table.

XML structure

```
<RBAC>
  <Policies>
    <VLANPolicies>
      <Policy>
        <RoleName></RoleName>
        <VLANListPermitted></VLANListPermitted>
      </Policy>
    </VLANPolicies>
  </Policies>
</RBAC>
```

Table description

Item	Description
Feature name	RBAC
Table name	VLANPolicies
Table type	Multi-instance table
Row name	Policy
Restrictions	Select the value of RoleName from the RBAC/Roles table. Before configuring the table, first set the value of PermitAllVLAN to false in the RBAC/Roles table.

Support for row creation and deletion	Yes
---------------------------------------	-----

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RoleName	Name of the role	Index	String. Length: 1 to 63 characters.	N/A
VLANListPermitted	A list of permitted VLANs	N/A	String. Length: 0 to 32767 characters.	The string can contain only numbers, minus signs, and commas, and cannot end with a comma or minus sign. The string does not support blank characters. For example, 1,2,3,5-8,10-20.

RBAC/Policies/VRF Policies

RBAC VRF policy table.

XML structure

```
<RBAC>
  <Policies>
    <VRFPolicies>
      <Policy>
        <RoleName></RoleName>
        <VRFPermitted></VRFPermitted>
      </Policy>
    </VRFPolicies>
  </Policies>
</RBAC>
```

Table description

Item	Description
Feature name	RBAC
Table name	VRFPolicies
Table type	Multi-instance table
Row name	Policy
Restrictions	Select the value of RoleName from the RBAC/Roles table. Before configuring the table, first set the value of PermitAllVRF to false in the RBAC/Roles table.

Support for row creation and deletion	Yes
---------------------------------------	-----

Columns

Column name	Column description	Column type	Data type and restrictions
RoleName	Name of the role	Index	String. Length: 1 to 63 characters.
VRFPermitted	Name of the permitted VRF instance	Index	String. Length: 1 to 31 characters.

RBAC/Policies/SecZonePolicies

RBAC security zone policy table.

XML structure

```

<RBAC>
  <Policies>
    <SecZonePolicies>
      <Policy>
        <RoleName></RoleName>
        <SecZonePermitted></SecZonePermitted>
      </Policy>
    </SecZonePolicies>
  </Policies>
</RBAC>

```

Table description

Item	Description
Feature name	RBAC
Table name	SecZonePolicies
Table type	Multi-instance table
Row name	Policy
Restrictions	Select the value of RoleName from the RBAC/Roles table. Before configuring the table, first set the value of PermitAllSecZone to false in the RBAC/Roles table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
RoleName	Name of the role	Index	String. Length: 1 to 63 characters.
SecZonePermitted	Name of the permitted security zone	Index	String. Length: 1 to 13 characters.

RBAC/FeatureGroups

RBAC feature group table.

XML structure

```
<RBAC>
  <FeatureGroups>
    <FeatureGroup>
      <Name></Name>
    </FeatureGroup>
  </FeatureGroups>
</RBAC>
```

Table description

Item	Description
Feature name	RBAC
Table name	FeatureGroups
Table type	Multi-instance table
Row name	FeatureGroup
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the feature group	Index	String. Length: 1 to 31 characters.	The predefined feature groups named L2 and L3 cannot be modified.

RBAC/FeaturesInGroup

RBAC Feature In Group table.

XML structure

```
<RBAC>
  <FeaturesInGroup>
    <Feature>
      <GroupName></GroupName>
      <FeatureName></FeatureName>
    </Feature>
  </FeaturesInGroup>
</RBAC>
```

Table description

Item	Description
Feature name	RBAC
Table name	FeaturesInGroup
Table type	Multi-instance table
Row name	Feature
Restrictions	The value of FeatureName must be selected from the RBAC/Features table. The value of GroupName must be selected from the RBAC/FeatureGroups table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
GroupName	Name of the group	Index	String. Length: 1 to 31 characters.
FeatureName	Name of the feature	Index	String. Length: 1 to 15 characters.

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XML structure	8
Table description	9
Columns	9
RBAC/FeaturesInGroup	9
XML structure	9
Table description	10
Columns	10

RBAC

RBAC/Roles

RBAC role table.

XML structure

```
<RBAC>
  <Roles>
    <Role>
      <RoleName></RoleName>
      <Description></Description>
      <PermitAllInterface></PermitAllInterface>
      <PermitAllVLAN></PermitAllVLAN>
      <PermitAllVRF></PermitAllVRF>
      <PermitAllSecZone></PermitAllSecZone>
      <IsPreDefined></IsPreDefined>
      <CanAddRules></CanAddRules>
    </Role>
  </Roles>
</RBAC>
```

Table description

Item	Description
Feature name	RBAC
Table name	Roles
Table type	Multi-instance table
Row name	Role
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RoleName	Name of the role	Index	String. Length: 1 to 63 characters.	N/A
Description	Description of the role	N/A	String. Length: 1 to 128 characters.	Predefined roles have default descriptions, which are different. User-defined roles do not have default descriptions.

Column name	Column description	Column type	Data type and restrictions	Remarks
PermitAllInterface	Whether to allow access to all interfaces	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default value is true.
PermitAllVLAN	Whether to allow access to all VLANs	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default value is true.
PermitAllVRF	Whether to allow access to all VRFs	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default value is true.
PermitAllSecZone	Whether to allow access to all security zones	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default value is true.
IsPreDefined	Whether it is a predefined role	N/A	Boolean: <ul style="list-style-type: none"> true false 	Predefined roles include network-admin, network-operator, and level-0 to level-15 users.
CanAddRules	Whether to allow users to add rules	N/A	Boolean: <ul style="list-style-type: none"> true false 	All user-defined roles, and part of the predefined roles allow users to add rules.

RBAC/Rules

RBAC rule table.

XML structure

```

<RBAC>
  <Rules>
    <Rule>
      <RoleName></RoleName>
      <RuleIndex></RuleIndex>
      <IsPreDefined></IsPreDefined>
      <Action></Action>
      <ReadOperation></ReadOperation>
      <WriteOperation></WriteOperation>
      <ExecOperation></ExecOperation>
      <EntityType></EntityType>
      <Entity></Entity>
    </Rule>
  </Rules>
</RBAC>

```

Table description

Item	Description
Feature name	RBAC
Table name	Rules
Table type	Multi-instance table
Row name	Rule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RoleName	Name of the role	Index	String. Length: 1 to 63 characters.	N/A
RuleIndex	Index of the rule	Index	Unsigned integer. Value range: 1 to 256.	The bigger the index, the higher the priority. RBAC rules are matched in descending order of priority.
IsPreDefined	Whether it is a predefined rule	Index	Boolean: true false	Predefine rules can not be modified.
Action	Action	N/A	Enumeration: <ul style="list-style-type: none"> 0—permit. 1—deny. 	N/A
ReadOperation	Whether it is a read operation	N/A	Boolean: <ul style="list-style-type: none"> true false 	Perform a read operation on the entity.
WriteOperation	Whether it is a write operation	N/A	Boolean: <ul style="list-style-type: none"> true false 	Perform a write operation on the entity.
ExecOperation	Whether it is an execute operation	N/A	Boolean: <ul style="list-style-type: none"> true false 	Perform an execute operation on the entity.
EntityType	Type of the entity	N/A	Enumeration: <ul style="list-style-type: none"> 0—Command. 1—Feature. 2—Feature group. 3—Web menu. 4—XML element. 5—SNMP OID. 	The system ignores values of the ReadOperation, WriteOperation, and ExecOperation columns of entities of command type.
Entity	Entity	N/A	Command: String. Length: 1 to 128 characters.	For information about different types of entities, see the RBAC configuration in the user

Column name	Column description	Column type	Data type and restrictions	Remarks
			Feature: String. Length: 1 to 15 characters. Feature group: String. Length: 1 to 31 characters. Web menu: String. Length: 1 to 255 characters. XML element: String. Length: 1 to 255 characters. SNMP OID: String. Length: 1 to 255 characters.	manual.

RBAC/Policies/InterfacePolicies

RBAC interface policy table.

XML structure

```

<RBAC>
  <Policies>
    <InterfacePolicies>
      <Policy>
        <RoleName></RoleName>
        <InterfaceListPermitted></InterfaceListPermitted>
      </Policy>
    </InterfacePolicies>
  </Policies>
</RBAC>

```

Table description

Item	Description
Feature name	RBAC
Table name	InterfacePolicies
Table type	Multi-instance table
Row name	Policy
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RoleName	Name of the role	Index	String. Length: 1 to 63 characters.	N/A
InterfaceListPermitted	A list of permitted interfaces specified by full names	N/A	String. Length: 0 to 32767 characters.	To specify an interface range, make sure the interfaces are located on the same chassis, slot, or subslot. Specify the interface range with the last portion of the interface number. For example, set the list the following: GigabitEthernet0/0/1, GigabitEthernet0/0/10 to GigabitEthernet0/0/20, GigabitEthernet0/0/25

RBAC/Policies/VLANPolicies

RBAC VLAN policy table.

XML structure

```
<RBAC>
  <Policies>
    <VLANPolicies>
      <Policy>
        <RoleName></RoleName>
        <VLANListPermitted></VLANListPermitted>
      </Policy>
    </VLANPolicies>
  </Policies>
</RBAC>
```

Table description

Item	Description
Feature name	RBAC
Table name	VLANPolicies
Table type	Multi-instance table
Row name	Policy
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RoleName	Name of the role	Index	String. Length: 1 to 63 characters.	N/A
VLANListPermitted	A list of permitted VLANs	N/A	String. Length: 0 to 32767 characters.	The string can contain only numbers, minus signs, and commas, and cannot end with a comma or minus sign. The string does not support blank characters. For example, 1,2,3,5-8,10-20.

RBAC/Policies/VRF Policies

RBAC VRF policy table.

XML structure

```
<RBAC>
  <Policies>
    <VRFPolicies>
      <Policy>
        <RoleName></RoleName>
        <VRFPermitted></VRFPermitted>
      </Policy>
    </VRFPolicies>
  </Policies>
</RBAC>
```

Table description

Item	Description
Feature name	RBAC
Table name	VRFPolicies
Table type	Multi-instance table
Row name	Policy
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
RoleName	Name of the role	Index	String. Length: 1 to 63 characters.
VRFPermitted	Name of the permitted VRF instance	Index	String. Length: 1 to 31 characters.

RBAC/Policies/SecZonePolicies

RBAC security zone policy table.

XML structure

```
<RBAC>
  <Policies>
    <SecZonePolicies>
      <Policy>
        <RoleName></RoleName>
        <SecZonePermitted></SecZonePermitted>
      </Policy>
    </SecZonePolicies>
  </Policies>
</RBAC>
```

Table description

Item	Description
Feature name	RBAC
Table name	SecZonePolicies
Table type	Multi-instance table
Row name	Policy
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
RoleName	Name of the role	Index	String. Length: 1 to 63 characters.
SecZonePermitted	Name of the permitted	Index	String.

Column name	Column description	Column type	Data type and restrictions
	security zone		Length: 1 to 31 characters.

RBAC/Features

RBAC feature table.

XML structure

```
<RBAC>
  <Features>
    <Feature>
      <Name></Name>
      <Description></Description>
    </Feature>
  </Features>
</RBAC>
```

Table description

Item	Description
Feature name	RBAC
Table name	Features
Table type	Multi-instance table
Row name	Feature
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Name of the feature group	Index	String. Length: 1 to 31 characters.	The predefined feature groups named L2 and L3 cannot be modified.

RBAC/FeatureGroups

RBAC feature group table.

XML structure

```
<RBAC>
  <FeatureGroups>
```

```

    <FeatureGroup>
      <Name></Name>
      <IsPreDefined></IsPreDefined>
    </FeatureGroup>
  </FeatureGroups>
</RBAC>

```

Table description

Item	Description
Feature name	RBAC
Table name	FeatureGroups
Table type	Multi-instance table
Row name	FeatureGroup
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Name	Name of the group	Index	String. Length: 1 to 31 characters.
IsPreDefined	Whether it is a predefined group	N/A	Boolean: <ul style="list-style-type: none"> true false

RBAC/FeaturesInGroup

RBAC Feature In Group table.

XML structure

```

<RBAC>
  <FeaturesInGroup>
    <Feature>
      <GroupName></GroupName>
      <FeatureName></FeatureName>
    </Feature>
  </FeaturesInGroup>
</RBAC>

```


Table description

Item	Description
Feature name	RBAC
Table name	FeaturesInGroup
Table type	Multi-instance table
Row name	Feature
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
GroupName	Name of the group	Index	String. Length: 1 to 31 characters.
FeatureName	Name of the feature	Index	String. Length: 1 to 15 characters.

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ResourceMonitor

ResourceMonitor/Configuration

This table contains usage information about the resource monitor.

XML structure

```
<ResourceMonitor>
  <Configuration>
    <MinorResendEnable></MinorResendEnable>
    <SyslogOutput></SyslogOutput>
    <SnmpNotificationOutput></SnmpNotificationOutput>
    <NetconfEventOutput></NetconfEventOutput>
  </Configuration>
</ResourceMonitor>
```

Table description

Item	Description
Feature name	ResourceMonitor
Table name	Configuration
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
MinorResendEnable	Minor event resend enable monitoring	N/A	Boolean: <ul style="list-style-type: none">• true• false Default: true	N/A
SyslogOutput	output enable for syslog	N/A	Boolean: <ul style="list-style-type: none">• true• false Default: true	N/A
SnmpNotificationOutput	output enable for SNMP notification		Boolean: <ul style="list-style-type: none">• true	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> false Default: true	
NetconfEventOutput	output enable for NETCONF event		Boolean: <ul style="list-style-type: none"> true false Default: true	N/A

ResourceMonitor/Resources

This table contains usage information about the resource monitor.

XML structure

```

<ResourceMonitor>
  < Resources >
    <Resource>
      <DeviceNode>
        <Chassis></Chassis>
        <Slot></Slot>
        <CPUID></CPUID>
      </DeviceNode>
      <Name></Name>
      <Unit></Unit>
      <MinorThreshold></MinorThreshold>
      <SevereThreshold></SevereThreshold>
    </Resource>
  </Resources>
</ResourceMonitor>

```

Table description

Item	Description
Feature name	ResourceMonitor
Table name	Resources
Table type	Multi-instance table
Row name	Resource
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DeviceNode	Position information of the device Node.	Data structure	Members include: <ul style="list-style-type: none"> Chassis Slot CPUID 	N/A
Chassis	Member ID of the member device where the entity resides.	Index	Unsigned integer. Value range: 0 to 65535.	N/A
Slot	Slot number of the device node.	Index	Unsigned integer. Value range: 0 to 65535.	N/A
CPUID	CPU Identification.	Index	Unsigned integer. Value range: 0 to 7.	N/A
Name	Resource name	Index	String: Size:1~31	N/A
Unit	Unit of resource monitor threshold	N/A	Enumeration: <ul style="list-style-type: none"> absolute percentage 	N/A
MinorThreshold	The free resource threshold for minor condition	N/A	Unsigned integer. When unit is percentage, value range: 1 to 100. When unit is absolute, value range 0 to $2^{32} - 1$	N/A
SevereThreshold	The free resource threshold for severe condition	N/A	Unsigned integer. When unit is percentage, value range: 1 to 100. When unit is absolute, value range 0 to $2^{32} - 1$	N/A

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XML structure	3
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ResourceMonitor

ResourceMonitor/Configuration

This table contains system configuration about the resource monitor.

XML structure

```
<ResourceMonitor>
  <Configuration>
    <MinorResendEnable></MinorResendEnable>
    <SyslogOutput></SyslogOutput>
    <SnmpNotificationOutput></SnmpNotificationOutput>
    <NetconfEventOutput></NetconfEventOutput>
  </Configuration>
</ResourceMonitor>
```

Table description

Item	Description
Feature name	ResourceMonitor
Table name	Configuration
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
MinorResendEnable	Minor event resend enable monitoring	N/A	Boolean: <ul style="list-style-type: none">• true• false Default: true	N/A
SyslogOutput	Output enable for syslog	N/A	Boolean: <ul style="list-style-type: none">• true• false Default: true	N/A
SnmpNotificationOutput	Output enable for SNMP notification		Boolean: <ul style="list-style-type: none">• true• false Default: true	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
NetconfEventOutput	Output enable for NETCONF event		Boolean: <ul style="list-style-type: none"> true false Default: true	N/A

ResourceMonitor/Resources

This table contains thresholds information about the resource monitor.

XML structure

```

<ResourceMonitor>
  <Resources>
    <Resource>
      <DeviceNode>
        <Chassis></Chassis>
        <Slot></Slot>
        <CPUID></CPUID>
      </DeviceNode>
      <Name></Name>
      <Unit></Unit>
      <MinorThreshold></MinorThreshold>
      <SevereThreshold></SevereThreshold>
    </Resource>
  </Resources>
</ResourceMonitor>

```

Table description

Item	Description
Feature name	ResourceMonitor
Table name	Resources
Table type	Multi-instance table
Row name	Resource
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DeviceNode	Position information of the device Node.	Data structure	Members include: <ul style="list-style-type: none"> Chassis 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> Slot CPUID 	
Chassis	Member ID of the member device where the entity resides.	Index	Unsigned integer. Value range: 0 to 65535.	N/A
Slot	Slot number of the device node.	Index	Unsigned integer. Value range: 0 to 65535.	N/A
CPUID	CPU Identification.	Index	Unsigned integer. Value range: 0 to 7.	N/A
Name	Resource name	Index	String: Size:1~31	N/A
Unit	Unit of resource monitor threshold	N/A	Enumeration: <ul style="list-style-type: none"> absolute percentage 	N/A
MinorThreshold	The free resource threshold for minor condition	N/A	Unsigned integer. When unit is percentage, value range: 1 to 100. When unit is absolute, value range 0 to $2^{32} - 1$	N/A
SevereThreshold	The free resource threshold for severe condition	N/A	Unsigned integer. When unit is percentage, value range: 1 to 100. When unit is absolute, value range 0 to $2^{32} - 1$	N/A

ResourceMonitor/Monitors

This table contains usage information about the resource monitor.

XML structure

```

<ResourceMonitor>
  <Monitors>
    <Monitor>
      <DeviceNode>
        <Chassis></Chassis>
        <Slot></Slot>
        <CPUID></CPUID>
      </DeviceNode>
      <Name></Name>
      <Unit></Unit>
      <Used></Used>
      <Free></Free>
      <Total></Total>
    </Monitor>
  </Monitors>
</ResourceMonitor>

```

```

    </Monitor>
  </Monitors>
</ResourceMonitor>

```

Table description

Item	Description
Feature name	ResourceMonitor
Table name	Monitors
Table type	Multi-instance table
Row name	Monitor
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DeviceNode	Position information of the device Node.	Data structure	Members include: <ul style="list-style-type: none"> Chassis Slot CPUID 	N/A
Chassis	Member ID of the member device where the entity resides.	Index	Unsigned integer. Value range: 0 to 65535.	N/A
Slot	Slot number of the device node.	Index	Unsigned integer. Value range: 0 to 65535.	N/A
CPUID	CPU Identification.	Index	Unsigned integer. Value range: 0 to 7.	N/A
Name	Resource name	Index	String: Size:1~31	N/A
Unit	Unit of resource monitor threshold	N/A	Enumeration: <ul style="list-style-type: none"> absolute percentage 	N/A
Used	Used resource size	N/A	Unsigned integer Value range: 0 to $2^{32} - 1$	N/A
Free	Free resource size	N/A	Unsigned integer Value range: 0 to $2^{32} - 1$	N/A
Total	Total resource size	N/A	Unsigned integer. Value range: 0 to $2^{32} - 1$	N/A

Contents

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ResourceEvent event

This event is used to report resource alarm information.

XML structure for event subscription

```
<ResourceEvent>
  <Resource>
    <Chassis></Chassis>
    <Slot></Slot>
    <CPUID></CPUID>
    <Name></Name>
  </Resource>
</ResourceEvent>
```

Example:

```
<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"
xmlns:xs="http://www.h3c.com/netconf/base:1.0">
  <create-subscription xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
    <stream>ResourceMonitor</stream>
    <filter type="subtree">
      <ResourceEvent xmlns="http://www.h3c.com/netconf/event:1.0/ResourceMonitor:1.0">
        <Resource>
          <Chassis>0</Chassis>
          <Slot>0</Slot>
          <CPUID>0</CPUID>
          <Name>acl</Name>
        </Resource>
      </ResourceEvent>
    </filter>
  </create-subscription>
</rpc>
```

Table description

Item	Description
Event stream name	ResourceMonitor
Event name	ResourceEvent
Event namespace	http://www.h3c.com/netconf/event:1.0/ResourceMonitor:1.0
Support for extended query	No

Columns

Column name	Column description	Data type and restrictions	Support for extended queries
Chassis	Member ID of the member where the device entity	Unsigned integer. Value range: 0 to 65535.	No

Column name	Column description	Data type and restrictions	Support for extended queries
	resides.		
Slot	Slot number of the device node.	Unsigned integer. Value range: 0 to 65535.	No
CPUID	CPU Identification.	Unsigned integer. Value range: 0 to 7.	No
ResourceName	Resource name	String: Size:1~31	No

XML structure for event report

```

<ResourceEvent>
  <Resource>
    <Chassis></Chassis>
    <Slot></Slot>
    <CPUID></CPUID>
    <Name></Name>
    <Description></Description>
    <Uint></Uint>
    <Total></Total>
    <Used></Used>
    <Free></Free>
    <MinorThreshold></MinorThreshold>
    <SevereThreshold></SevereThreshold>
    <AdditionalInfo></AdditionalInfo>
  </Resource>
</ResourceEvent>

```

Example:

```

<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"
xmlns:xs="http://www.h3c.com/netconf/base:1.0">
  <create-subscription xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
    <stream>ResourceMonitor</stream>
    <filter type="subtree">
      <ResourceEvent xmlns="http://www.h3c.com/netconf/event:1.0/ResourceMonitor:1.0">
        <Resource>
          <Chassis>0</Chassis>
          <Slot>0</Slot>
          <CPUID>0</CPUID>
          <Name>ACL</Name>
          <Description>RESMON_MINOR</Description>
          <Uint>1</Uint>
          <Total>1000</Total>
          <Used>920</Used>
          <Free>80</Free>
          <MinorThreshold>200</MinorThreshold>

```

```

        <SevereThreshold>100</SevereThreshold>
        <AdditionalInfo>check rip</AdditionalInfo>
    </Resource>
</ResourceEvent>
</filter>
</create-subscription>
</rpc>

```

Table description

Item	Description
Event stream name	ResourceMonitor
Event name	ResourceEvent
Event namespace	http://www.h3c.com/netconf/event:1.0/ResourceMonitor:1.0
Support for extended query	No

Columns

Column name	Column description	Data type and restrictions	Support for extended queries
Chassis	Member ID of the member device where the entity resides.	Unsigned integer. Value range: 0 to 65535.	No
Slot	Slot number of the device node.	Unsigned integer. Value range: 0 to 65535.	No
CPUID	CPU Identification.	Unsigned integer. Value range: 0 to 7.	No
Name	Resource name	String: Size:1~31	No
Description	Resmon event description.	Enumeration: <ul style="list-style-type: none"> RESMON_MINOR RESMON_SEVERE RESMON_USEDUP RESMON_MINOR_RECOVERY RESMON_SEVERE_RECOVERY RESMON_USEDUP_RECOVERY 	No
Unit	Unit of resource	Enumeration: <ul style="list-style-type: none"> absolute percentage 	No
Total	Total resource size(absolute)	Unsigned integer. Value range: 0 to $2^{32} - 1$	No
Used	Size of the resource used (absolute)	Unsigned integer. Value range: 0 to $2^{32} - 1$	No
Free	Size of the free resource size	Unsigned integer. Value range: 0 to $2^{32} - 1$	No

Column name	Column description	Data type and restrictions	Support for extended queries
MinorThreshold	The free resource threshold for minor condition	Unsigned integer. Value range: 0 to $2^{32} - 1$	No
SevereThreshold	The free resource threshold for severe condition	Unsigned integer. Value range: 0 to $2^{32} - 1$	No
AdditionalInfo	Additional information for the notification.	String: Size:0~255	No

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Table description.....	9
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RoutePolicy

RoutePolicy/IPv4Prefix

This table contains RoutePolicy IPv4 prefix information.

XML structure

```
<RoutePolicy>
  <IPv4PrefixList>
    <PrefixList>
      <PrefixListName></PrefixListName>
      <Index></Index>
      <Mode></Mode>
      <Ipv4Address></Ipv4Address>
      <Ipv4PrefixLength></Ipv4PrefixLength>
      <MinPrefixLength></MinPrefixLength>
      <MaxPrefixLength></MaxPrefixLength>
    </PrefixList>
  </IPv4PrefixList>
</RoutePolicy>
```

Table description

Item	Description
Feature name	RoutePolicy
Table name	IPv4PrefixList
Table type	Multi-instance table
Row name	PrefixList
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PrefixListName	Name of prefix list.	Index	String, case-sensitive. Length: 1 to 63 characters.	N/A
Index	Node.	Index	Unsigned integer. Value range: 1 to 65535.	N/A
Mode	Operation type of prefix list.		Enumeration: • 0—permit.	Perform create or replace operation,

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 1—deny. 	Mode can't be empty. Perform Merge operation to create a row, Mode can't be empty. Not support delete or remove operation.
Ipv4Address	IPv4 address.		IPv4: String, dotted decimal notation.	IPv4 example: 1.1.1.1 Perform create or replace operation, Ipv4Address can't be empty. Perform Merge operation to create a row, Ipv4Address can't be empty. Not support delete or remove operation.
Ipv4PrefixLength	Mask length of IP address.		Unsigned integer. Value range: 0 to 32.	Perform create or replace operation, Ipv4PrefixLength can't be empty. Perform Merge operation to create a row, Ipv4PrefixLength can't be empty. Not support delete or remove operation.
MinPrefixLength	Greater than or equal to this value.	N/A	Unsigned integer. <ul style="list-style-type: none"> Value range: 0 to 32. 	Ipv4PrefixLength <= MinPrefixLength <= MaxPrefixLength
MaxPrefixLength	Less than or equal to this value.	N/A	Unsigned integer. <ul style="list-style-type: none"> Value range: 0 to 32. 	Ipv4PrefixLength <= MinPrefixLength <= MaxPrefixLength

RoutePolicy/Policy

This table contains RoutePolicy policy information.

XML structure

```

<RoutePolicy>
  <Policy>
    <Entry>
      <PolicyName></PolicyName>
      <Index></Index>
      <Mode></Mode>
      <Match>
        <IPv4AddressPrefixList></IPv4AddressPrefixList>
        <ExtcommunityList></ExtcommunityList>
      </Match>
    </Entry>
  </Policy>
</RoutePolicy>

```

```

    <Tag></Tag>
    <Interface></Interface>
    <RouteType></RouteType>
    <TagList></TagList>
  </Match>
  <MatchCommunityList>
    <List></List>
    <WholeMatch></WholeMatch>
  </MatchCommunityList>
  <Apply>
    <ExtCommunityRtValue></ExtCommunityRtValue>
    <ExtCommunityRtType></ExtCommunityRtType>
    <VpnPeerId></VpnPeerId>
    <CostValue></CostValue>
    <CostMode></CostMode>
    <LocalPreference></LocalPreference>c
  </Apply>
  <ApplyIpv4NextHop>
    <NextHopAddr></NextHopAddr>
    <Public></Public>
    <VrfName></VrfName>
  </ApplyIpv4NextHop>
</Entry>
</Policy>
</RoutePolicy>

```

Table description

Item	Description
Feature name	RoutePolicy
Table name	Policy
Table type	Multi-instance table
Row name	Entry
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of route policy.	Index	String, case-sensitive. Length: 1 to 63 characters.	N/A
Index	Node.	Index	Unsigned integer. Value range: 0 to 65535.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Mode	Operation type of Route Policy.		Enumeration: <ul style="list-style-type: none"> 0—permit. 1—deny. 	Perform create or replace operation, Mode can't be empty. Perform Merge operation to create a row, Mode can't be empty. Not support delete or remove operation.
Match	If match condition.	Data structure	Members include: <ul style="list-style-type: none"> AddressPrefixList. ExtcommunityList Tag Interface RouteType TagList 	N/A
IPv4AddressPrefixList	Match IPv4 address using prefix list.		String, case-sensitive. Length: 1 to 63 characters.	N/A
ExtcommunityList	Match BGP routes whose extended community attribute matches a specified extended community list		Unsigned integer. Value range: 1 to 65535.	Repeat supported for 32 times.
Tag	Match IGP routes with specified tag		Unsigned integer. Value range: 0 to 4294967295	N/A
Interface	Match routes with specified Interface.		Interface name: String, interface type and interface number. Interface index: Unsigned integer. Length: 32 bits.	Support interface name or interface index. Repeat supported for 16 times.
RouteType	Match route type.		Enumeration: <ul style="list-style-type: none"> 1—internal. 2—external-type1or2. 3—external-type1. 4—external-type2. 5—nssa-external-type1or2. 6—nssa-external- type1. 7—nssa-external- type2. 8—is-is-level-1. 9—is-is-level-2. 10—bgp-evpn-mac-ip. 11—bgp-evpn-imet. 12—bgp-evpn-ip-prefix. 	Repeat supported for 14 times. One route type cannot be configured twice in one command.

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 13—eigrp-internal. 14—eigrp-external. 	
TagList	Match IGP routes with the specified tag list.		Unsigned integer. Value range: 1 to 65535.	N/A
MatchCommunityList	If match communitylist condition.	Data structure	Members include: <ul style="list-style-type: none"> List. WholeMatch 	Repeat supported for 32 times.
List	Match BGP routes whose community attribute matches a specified community list.		Basic community list number: Unsigned integer. Value range:1 to 99. Advanced community list number: Unsigned integer. Value range:100 to 199. Community list name: String, case-sensitive. Length: 1 to 63 characters.	List name cannot be all made up of numbers.
WholeMatch	Match all communities exactly.		Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	Not supported when specifying an advanced community list number.
Apply	Apply action.	Data structure	Members include: <ul style="list-style-type: none"> ExtCommunityRtValue. ExtCommunityRtType. VpnPeerId CostValue. CostMode. LocalPreference. 	N/A
ExtCommunityRtValue	The value of Ext Community Route Target (RT).		String. Length: 3 to 21 characters. <ul style="list-style-type: none"> The format is IP<X.X.X.X>:NN<0-65535> or AS<0-65535>:NN<0-4294967295> or AS<65536-4294967295>:NN<0-65535>. 	Example: 101:3 or 192.168.122.15:1 or 70000:3. Repeat supported for Get and Get-Bulk action.
ExtCommunityRtType	The Ext Community RT additive type.		Enumeration: <ul style="list-style-type: none"> 1—Additive. 2—Replace. 	N/A
VpnPeerId	Set vpn-peer-id		Unsigned integer. Value range: 1 to 134217727	N/A
CostValue	Route cost value		Unsigned integer. Value range: 0 to 4294967295	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
CostMode	Route cost change mode.		Enumeration: <ul style="list-style-type: none"> 0—Update. 1—Increase. 2—Decrease. 	N/A
LocalPreference	BGP route local preference		Unsigned integer. Value range: 0 to 4294967295	N/A
ApplyIpv4NextHop	Specify next hop.	Data structure	Members include: <ul style="list-style-type: none"> NextHopAddr. Public. VrfName. 	N/A
NextHopAddr	Specify next hop address, x.x.x.x Ip-address.		IPv4: String, dotted decimal notation.	N/A
Public	Public network.		Enumeration: <ul style="list-style-type: none"> 0—Not configured. 1—Configured. 	N/A
VrfName	VPN instance name.		String. Length: 0 to 31 characters.	An empty string indicates the public network.

RoutePolicy/ExtcommunityList

This table contains RoutePolicy extcommunity list information.

XML structure

```

<RoutePolicy>
  <ExtcommunityList>
    <List>
      <ListNum></ListNum>
      <Index></Index>
      <Mode></Mode>
      <Rt></Rt>
      <So0></So0>
    </List>
  </ExtcommunityList>
</RoutePolicy>

```

Table description

Item	Description
Feature name	RoutePolicy
Table name	ExtcommunityList
Table type	Multi-instance table
Row name	List
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ListNum	ListNum	Index	Unsigned integer. Value range: 1 to 65535.	N/A
Index	Node	Index	Unsigned integer. Value range: 1 to 4294967295	N/A
Mode	Operation type of extcommunity list.		Enumeration: <ul style="list-style-type: none">• 0—permit.• 1—deny.	N/A
Rt	Route-target		String. Length: 3 to 21 characters. Format: IP<X.X.X.X>:NN<0-65535> or AS<0-65535>:NN<0-4294967295> or AS<65536-4294967295>:NN<0-65535>.	Example: 101:3 or 192.168.122.15:1 or 70000:3. Repeat supported for 32 times along with SoO configuration.
SoO	Site-of-Origin		String. Length: 3 to 21 characters. Format: IP<X.X.X.X>:NN<0-65535> or AS<0-65535>:NN<0-4294967295> or AS<65536-4294967295>:NN<0-65535>.	Example: 101:3 or 192.168.122.15:1 or 70000:3. Repeat supported for 32 times along with Rt configuration.

RoutePolicy/CommunityList

This table contains RoutePolicy community list information.

XML structure

```
<RoutePolicy>
```

```

<CommunityList>
  <List>
    <ListName></ListName>
    <Level></Level>
    <Index></Index>
    <Mode></Mode>
    <CommunityNumber></CommunityNumber>
    <CommunityAttr></CommunityAttr>
    <RegularExpression></RegularExpression>
  </List>
</CommunityList>
</RoutePolicy>

```

Table description

Item	Description
Feature name	RoutePolicy
Table name	CommunityList
Table type	Multi-instance table
Row name	List
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ListName	List name	Index	Community list number: Unsigned integer. Value range: Basic:1 to 99. Advanced:100 to 199. Community list name: String, case-sensitive. Length: 1 to 63 characters.	Community list name cannot be all made up of numbers.
Level	List level.	Index	Enumeration: <ul style="list-style-type: none"> 1—Basic. 2—Advanced. 	N/A
Index	Node	Index	Unsigned integer. Value range: 1 to 4294967295	N/A
Mode	Operation type of community list.		Enumeration: <ul style="list-style-type: none"> 0—permit. 1—deny. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
CommunityNumber	Community number.		Unsigned integer. Value range: 1 to 4294967295. String. Length: 3 to 11 characters. Format: AA<0-65535>:NN<0-65535>	Example: 10 or 1:65535 Repeat supported for 32 times along with CommunityAttr. Only supported for basic community list.
CommunityAttr	Community attribute.		Enumeration: <ul style="list-style-type: none"> 1—Internet. 2—No-advertise. 3—no-export. 4—no-export-subconfed. 	Repeat supported for 32 times along with CommunityNumber. Only supported for basic community list.
RegularExpression	Regular expression.		String. Length: 1 to 63 characters.	Example: ^10 Only supported for advanced community list.

RoutePolicy/TagList

This table contains RoutePolicy tag list information.

XML structure

```

<RoutePolicy>
  <TagList>
    <List>
      <ListNum></ListNum>
      <Index></Index>
      <Mode></Mode>
      <TagValue></TagValue>
    </List>
  </TagList>
</RoutePolicy>

```

Table description

Item	Description
Feature name	RoutePolicy
Table name	TagList
Table type	Multi-instance table
Row name	List
Restrictions	None
Support for row creation and	Yes

deletion	
----------	--

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ListNum	List number	Index	Unsigned integer. Value range: 1 to 65535.	N/A
Index	Node	Index	Unsigned integer. Value range: 1 to 4294967295.	N/A
Mode	Operation type of tag list		Enumeration: <ul style="list-style-type: none"> • 0—permit. • 1—deny. 	N/A
TagValue	Tag value		Unsigned integer. Value range: 0 to 4294967295.	Repeat supported for 32 times.

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RoutePolicy

RoutePolicy/IPv4Prefix

This table contains RoutePolicy IPv4 prefix information.

XML structure

```
<RoutePolicy>
  <IPv4PrefixList>
    <PrefixList>
      <PrefixListName></PrefixListName>
      <Index></Index>
      <Mode></Mode>
      <Ipv4Address></Ipv4Address>
      <Ipv4PrefixLength></Ipv4PrefixLength>
      <MinPrefixLength></MinPrefixLength>
      <MaxPrefixLength></MaxPrefixLength>
    </PrefixList>
  </IPv4PrefixList>
</RoutePolicy>
```

Table description

Item	Description
Feature name	RoutePolicy
Table name	IPv4PrefixList
Table type	Multi-instance table
Row name	PrefixList
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PrefixListName	Name of prefix list.	Index	String, case-sensitive. Length: 1 to 63 characters.	N/A
Index	Node.	Index	Unsigned integer. Value range: 1 to 65535.	N/A
Mode	Operation type of prefix list.		Enumeration: <ul style="list-style-type: none">0—permit.1—deny.	N/A
Ipv4Address	IPv4 address.		IPv4: String, dotted decimal	IPv4 example: 1.1.1.1

Column name	Column description	Column type	Data type and restrictions	Remarks
			notation.	
Ipv4PrefixLength	Mask length of IP address.		Unsigned integer. Value range: 0 to 32.	N/A
MinPrefixLength	Greater than or equal to this value.	N/A	Unsigned integer. • Value range: 0 to 32.	Ipv4PrefixLength <= MinPrefixLength <= MaxPrefixLength.
MaxPrefixLength	Less than or equal to this value.	N/A	Unsigned integer. • Value range: 0 to 32.	Ipv4PrefixLength <= MinPrefixLength <= MaxPrefixLength.

RoutePolicy/Policy

This table contains RoutePolicy policy information.

XML structure

```

<RoutePolicy>
  <Policy>
    <Entry>
      <PolicyName></PolicyName>
      <Index></Index>
      <Mode></Mode>
      <Match>
        <IPv4AddressPrefixList></IPv4AddressPrefixList>
        <ExtcommunityList></ExtcommunityList>
        <Tag></Tag>
        <Interface></Interface>
        <RouteType></RouteType>
        <TagList></TagList>
      </Match>
      <MatchCommunityList>
        <List></List>
        <WholeMatch></WholeMatch>
      </MatchCommunityList>
      <Apply>
        <ExtCommunityRtValue></ExtCommunityRtValue>
        <ExtCommunityRtType></ExtCommunityRtType>
        <VpnPeerId></VpnPeerId>
        <CostValue></CostValue>
        <CostMode></CostMode>
        <LocalPreference></LocalPreference>
      </Apply>
      <ApplyIpv4NextHop>
        <NextHopAddr></NextHopAddr>
        <Public></Public>
        <VrfName></VrfName>
      </ApplyIpv4NextHop>
    </Entry>
  </Policy>
</RoutePolicy>

```

```

        </ApplyIpv4NextHop>
    </Entry>
</Policy>
</RoutePolicy>

```

Table description

Item	Description
Feature name	RoutePolicy
Table name	Policy
Table type	Multi-instance table
Row name	Entry
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of route policy.	Index	String, case-sensitive. Length: 1 to 63 characters.	N/A
Index	Node.	Index	Unsigned integer. Value range: 0 to 65535.	N/A
Mode	Operation type of Route Policy.		Enumeration: <ul style="list-style-type: none"> 0—permit. 1—deny. 	N/A
Match	If match condition.	Data structure	Members include: <ul style="list-style-type: none"> AddressPrefixList. ExtcommunityList Tag Interface RouteType TagList 	N/A
IPv4AddressPrefixList	Match IPv4 address using prefix list.		String, case-sensitive. Length: 1 to 63 characters.	N/A
ExtcommunityList	Match BGP routes whose extended community attribute matches a specified extended community list		Unsigned integer. Value range: 1 to 65535.	Repeat supported for 32 times.
Tag	Match IGP routes with specified tag		Unsigned integer. Value range: 0 to 4294967295	N/A
Interface	Match routes		Interface name:	Support interface name

Column name	Column description	Column type	Data type and restrictions	Remarks
	with specified Interface.		String, interface type and interface number. Interface index: Unsigned integer. Length: 32 bits.	or interface index. Repeat supported for 16 times.
RouteType	Match route type.		Enumeration: <ul style="list-style-type: none"> 1—internal. 2—external-type1or2. 3—external-type1. 4—external-type2. 5—nssa-external-type1or2. 6—nssa-external- type1. 7—nssa-external- type2. 8—is-is-level-1. 9—is-is-level-2. 10—bgp-evpn-mac-ip. 11—bgp-evpn-imet. 12—bgp-evpn-ip-prefix. 13—eigrp-internal. 14—eigrp-external. 	Repeat supported for 14 times. One route type cannot be configured twice in one command.
TagList	Match IGP routes with the specified tag list.		Unsigned integer. Value range: 1 to 65535.	N/A
MatchCommunityList	If match communitylist condition.	Data structure	Members include: <ul style="list-style-type: none"> List. WholeMatch 	Repeat supported for 32 times.
List	Match BGP routes whose community attribute matches a specified community list.		Basic community list number: Unsigned integer. Value range:1 to 99. Advanced community list number: Unsigned integer. Value range:100 to 199. Community list name: String, case-sensitive. Length: 1 to 63 characters.	List name cannot be all made up of numbers.
WholeMatch	Match all communities exactly.		Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	Not supported when specifying an advanced community list number.
Apply	Apply action.	Data structure	Members include: <ul style="list-style-type: none"> ExtCommunityRtValue. ExtCommunityRtType. VpnPeerId CostValue. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> CostMode. LocalPreference. 	
ExtCommunityRtValue	The value of Ext Community Route Target (RT).		String. Length: 3 to 21 characters. <ul style="list-style-type: none"> The format is IP<X.X.X.X>:NN<0-65535> or AS<0-65535>:NN<0-4294967295> or AS<65536-4294967295>:NN<0-65535>. 	Example: 101:3 or 192.168.122.15:1 or 70000:3. Repeat supported for Get and Get-Bulk action.
ExtCommunityRtType	The Ext Community RT additive type.		Enumeration: <ul style="list-style-type: none"> 1—Additive. 2—Replace. 	N/A
VpnPeerId	Set vpn-peer-id		Unsigned integer. Value range: 1 to 134217727	N/A
CostValue	Route cost value.		Unsigned integer. Value range: 0 to 4294967295	N/A
CostMode	Route cost change mode.		Enumeration: <ul style="list-style-type: none"> 0—Update. 1—Increase. 2—Decrease. 	N/A
LocalPreference	BGP route local preference.		Unsigned integer. Value range: 0 to 4294967295	N/A
ApplyIpv4NextHop	Specify next hop.	Data structure	Members include: <ul style="list-style-type: none"> NextHopAddr. Public. VrfName. 	N/A
NextHopAddr	Specify next hop address, x.x.x.x Ip-address.		IPv4: String, dotted decimal notation.	N/A
Public	Public network.		Enumeration: <ul style="list-style-type: none"> 0—Not configured. 1—Configured. 	N/A
VrfName	VPN instance name.		String. Length: 0 to 31 characters.	An empty string indicates the public network.

RoutePolicy/ExtcommunityList

This table contains RoutePolicy extcommunity list information.

XML structure

```
<RoutePolicy>
  <ExtcommunityList>
    <List>
      <ListNum></ListNum>
      <Index></Index>
      <Mode></Mode>
      <Rt></Rt>
      <SoO></SoO>
    </List>
  </ExtcommunityList>
</RoutePolicy>
```

Table description

Item	Description
Feature name	RoutePolicy
Table name	ExtcommunityList
Table type	Multi-instance table
Row name	List
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ListNum	ListNum	Index	Unsigned integer. Value range: 1 to 65535.	N/A
Index	Node	Index	Unsigned integer. Value range: 1 to 4294967295	N/A
Mode	Operation type of extcommunity list.		Enumeration: <ul style="list-style-type: none">0—permit.1—deny.	N/A
Rt	Route-target		String. Length: 3 to 21 characters. Format: IP<X.X.X.X>:NN<0-65535> or AS<0-65535>:NN<0-4294967 295> or AS<65536-4294967295>:NN< 0-65535>.	Example: 101:3 or 192.168.122.15:1 or 70000:3. Repeat supported for 32 times along with SoO configuration.
SoO	Site-of-Origin		String.	Example: 101:3 or 192.168.122.15:1 or

Column name	Column description	Column type	Data type and restrictions	Remarks
			Length: 3 to 21 characters. Format: IP<X.X.X.X>:NN<0-65535> or AS<0-65535>:NN<0-4294967 295> or AS<65536-4294967295>:NN< 0-65535>.	70000:3. Repeat supported for 32 times along with Rt configuration.

RoutePolicy/CommunityList

This table contains RoutePolicy community list information.

XML structure

```

<RoutePolicy>
  <CommunityList>
    <List>
      <ListName></ListName>
      <Level></Level>
      <Index></Index>
      <Mode></Mode>
      <CommunityNumber></CommunityNumber>
      <CommunityAttr></CommunityAttr>
      <RegularExpression></RegularExpression>
    </List>
  </CommunityList>
</RoutePolicy>

```

Table description

Item	Description
Feature name	RoutePolicy
Table name	CommunityList
Table type	Multi-instance table
Row name	List
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ListName	List name	Index	Community list number: Unsigned integer. Value range:	Community list name cannot be all made up of numbers.

Column name	Column description	Column type	Data type and restrictions	Remarks
			Basic:1 to 99. Advanced:100 to 199. Community list name: String, case-sensitive. Length: 1 to 63 characters.	
Level	List level.	Index	Enumeration: <ul style="list-style-type: none"> 1—Basic. 2—Advanced. 	N/A
Index	Node	Index	Unsigned integer. Value range: 1 to 4294967295	N/A
Mode	Operation type of community list.		Enumeration: <ul style="list-style-type: none"> 0—permit. 1—deny. 	N/A
CommunityNumber	Community number.		Unsigned integer. Value range: 1 to 4294967295. String. Length: 3 to 11 characters. Format: AA<0-65535>:NN<0-65535>	Example: 10 or 1:65535 Repeat supported for 32 times along with CommunityAttr. Only supported for basic community list.
CommunityAttr	Community attribute.		Enumeration: <ul style="list-style-type: none"> 1—Internet. 2—No-advertise. 3—no-export. 4—no-export-subconfed. 	Repeat supported for 32 times along with CommunityNumber. Only supported for basic community list.
RegularExpression	Regular expression.		String. Length: 1 to 63 characters.	Example: ^10 Only supported for advanced community list.

RoutePolicy/TagList

This table contains RoutePolicy tag list information.

XML structure

```

<RoutePolicy>
  <TagList>
    <List>
      <ListNum></ListNum>
      <Index></Index>
      <Mode></Mode>
      <TagValue></TagValue>
    
```

```

    </List>
  </TagList>
</RoutePolicy>

```

Table description

Item	Description
Feature name	RoutePolicy
Table name	TagList
Table type	Multi-instance table
Row name	List
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ListNum	List number	Index	Unsigned integer. Value range: 1 to 65535.	N/A
Index	Node	Index	Unsigned integer. Value range: 1 to 4294967295.	N/A
Mode	Operation type of tag list		Enumeration: <ul style="list-style-type: none"> 0—permit. 1—deny. 	N/A
TagValue	Tag value		Unsigned integer. Value range: 0 to 4294967295.	Repeat supported for 32 times.

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SecurityPolicies

SecurityPolicies/ClearRuleStatistic

This table contains the operation information for a security policy rule.

XML structure

```
<SecurityPolicies>
  <ClearRuleStatistic>
    <Rule>
      <RuleID></RuleID>
      <ClearType></ClearType>
      <Clear></Clear>
    </Rule>
  </ClearRuleStatistic>
</SecurityPolicies>
```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	ClearRuleStatistic
Table type	Multi-instance table
Row name	Rule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RuleID	Rule ID.	Index	Unassigned integer. Value range: 0 to 65534.	N/A
ClearType	Type of statistics to be cleared.	N/A	Enumeration: <ul style="list-style-type: none">1—IPv4 statistics.2—IPv6 statistics.	N/A
Clear	Clears security policy rule statistics.	N/A	This column must be empty.	Required.

SecurityPolicies/CommitCfgChange

This table contains the commit operation for configuration changes.

XML structure

```
<SecurityPolicies>
  <CommitCfgChange>
    <Commit></Commit>
  </CommitCfgChange>
</SecurityPolicies>
```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	CommitCfgChange
Table type	Single-instance table
Row name	N/A
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Commit	Commits configuration changes.	N/A	This column must be empty.	Required.

SecurityPolicies/MoveIPv4Rule

This table contains information about moving an IPv4 security policy rule within an IPv4 security policy.

XML structure

```
<SecurityPolicies>
  <MoveIPv4Rule>
    <Rule>
      <ID></ID>
      <MoveType></MoveType>
      <DestID></DestID>
    </Rule>
  </MoveIPv4Rule>
</SecurityPolicies>
```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	MoveIPv4Rule
Table type	Multi-instance table
Row name	Rule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ID	Rule ID.	Index	Unassigned integer. Value range: 0 to 65534.	N/A
MoveType	Type of rule to be moved.	Index	Enumeration: <ul style="list-style-type: none">• 1—Head.• 2—Before.• 3—After.• 4—Tail.	N/A
DestID	Destination rule ID.	N/A	Unassigned integer. Value range: 0 to 65534.	N/A

SecurityPolicies/MoveIPv6Rule

This table contains information about moving an IPv6 security policy rule within an IPv6 security policy.

XML structure

```
<SecurityPolicies>
  <MoveIPv6Rule>
    <Rule>
      <ID></ID>
      <MoveType></MoveType>
      <DestID></DestID>
    </Rule>
  </MoveIPv6Rule>
</SecurityPolicies>
```


Table description

Item	Description
Feature name	SecurityPolicies
Table name	MoveIPv6Rule
Table type	Multi-instance table
Row name	Rule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ID	Rule ID.	Index	Unassigned integer. Value range: 0 to 65534.	N/A
MoveType	Type of rule to be moved.	Index	Enumeration: <ul style="list-style-type: none">• 1—Head.• 2—Before.• 3—After.• 4—Tail.	N/A
DestID	Destination rule ID.	N/A	Unassigned integer. Value range: 0 to 65534.	N/A

SecurityPolicies/RedundancyRulesCheck

This table contains information about checking redundant security policy rules.

XML structure

```
<SecurityPolicies>
  <RedundancyRulesCheck>
    <Action></Action>
  </RedundancyRulesCheck>
</SecurityPolicies>
```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	RedundancyRulesCheck
Table type	Single-instance table

Row name	N/A
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Action	Action of checking redundant rules.	N/A	Enumeration: <ul style="list-style-type: none"> • 1—Start. • 2—Stop. 	N/A

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SecurityPolicies

SecurityPolicies/IPv4Rules

This table contains IPv4 rule information.

XML structure

```
<SecurityPolicies>
  <IPv4Rules>
    <Rule>
      <ID></ID>
      <RuleName></RuleName>
      <Action></Action>
      <VRF></VRF>
      <TimeRange></TimeRange>
      <TimeRangeState></TimeRangeState>
      <Enable></Enable>
      <Log></Log>
      <Counting></Counting>
      <Comment></Comment>
      <Count></Count>
      <Byte></Byte>
      <Profile></Profile>
      <SessAgingTimeSw></SessAgingTimeSw>
      <SessAgingTime></SessAgingTime>
      <SessPersistAgingTimeSw></SessPersistAgingTimeSw>
      <SessPersistAgingTime></SessPersistAgingTime>
    </Rule>
  </IPv4Rules>
</SecurityPolicies>
```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv4Rules
Table type	Multi-instance table
Row name	Rule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID.	Index	Unassigned integer. Value range: 0 to 65534.
RuleName	Rule name.	N/A	String, case-insensitive. Length: 1 to 127 characters.
Action	Action for the rule.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Deny. 2—Permit.
VRF	VRF name.	N/A	String, case-sensitive. Length: 1 to 31 characters.
TimeRange	Name of the time range.	N/A	String, case-insensitive. Length: 1 to 32 characters. The string must start with an English letter.
TimeRangeState	Status of the time range.	N/A	Boolean: <ul style="list-style-type: none"> true—Effective. false—Not effective.
Enable	Whether to enable the rule.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable.
Log	Whether to enable logging.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable.
Counting	Whether to enable counting.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable.
Comment	Description.	N/A	String. Length: 1 to 127 characters.
Count	Count of matches.	N/A	Unassigned integer. Value range: 0 to $2^{64}-1$.
Byte	Bytes of packets	N/A	N/A
Profile	Profile name	N/A	String. Length: 1 to 63 characters.
SessAgingTimeSw	Whether to enable the session aging timer.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable.
SessAgingTime	Session aging time period.	N/A	Unsigned integer. Value range: 0 to 2000000 seconds.
SessPersistAgingTimeSw	Whether to enable the persistent session aging timer.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable.

SessPersistAgingTime	Persistent session aging time period.	N/A	Unsigned integer. Value range: 0 to 24000 hours. 0 indicates that the timer never ages out.
----------------------	---------------------------------------	-----	---

SecurityPolicies/IPv6Rules

This table contains IPv6 rule information.

XML structure

```

<SecurityPolicies>
  <IPv6Rules>
    <Rule>
      <ID></ID>
      <RuleName></RuleName>
      <Action></Action>
      <VRF></VRF>
      <TimeRange></TimeRange>
      <TimeRangeState></TimeRangeState>
      <Enable></Enable>
      <Log></Log>
      <Counting></Counting>
      <Comment></Comment>
      <Count></Count>
      <Byte></Byte>
      <Profile></Profile>
      <SessAgingTimeSw></SessAgingTimeSw>
      <SessAgingTime></SessAgingTime>
      <SessPersistAgingTimeSw></SessPersistAgingTimeSw>
      <SessPersistAgingTime></SessPersistAgingTime>
    </Rule>
  </IPv6Rules>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv6Rules
Table type	Multi-instance table
Row name	Rule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID.	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
RuleName.	Rule name	N/A	String, case-insensitive. Length: 1 to 127 characters.
Action.	Action for the rule	N/A	Enumeration: <ul style="list-style-type: none"> 1—Deny. 2—Permit.
VRF.	VRF name	N/A	String, case-sensitive. Length: 1 to 31 characters.
TimeRange.	Name of the time range	N/A	String, case-insensitive. Length: 1 to 32 characters. The string must start with an English letter.
TimeRangeState	Status of the time range.	N/A	Boolean: <ul style="list-style-type: none"> true—Effective. false—Not effective.
Enable.	Whether to enable the rule	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable.
Log.	Whether to enable logging	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable.
Counting.	Whether to enable counting	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable.
Comment.	Description	N/A	String. Length: 1 to 127 characters.
Count	Count of matches.	N/A	Unassigned integer. Value range: 0 to $2^{64}-1$.
Byte	Bytes of packets	N/A	N/A
Profile	Profile name	N/A	String. Length: 1 to 63 characters.
SessAgingTimeSw.	Whether to enable the session aging timer	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable.
SessAgingTime.	Session aging time period	N/A	Unsigned integer. Value range: 0 to 2000000 seconds.
SessPersistAgingTimeSw.	Whether to enable the persistent session aging timer.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable.

SessPersistAgingTime.	Persistent session aging time period.	N/A	Unsigned integer. Value range: 0 to 24000 hours. 0 indicates that the timer never ages out.
-----------------------	---------------------------------------	-----	---

SecurityPolicies/GetRules

This table contains rule information.

XML structure

```

<SecurityPolicies>
  <GetRules>
    <Rule>
      <Type></Type>
      <ID></ID>
      <Name></Name>
      <Action></Action>
      <SrcZoneList>
        <SrcZoneItem></SrcZoneItem>
      </SrcZoneList>
      <DestZoneList>
        <DestZoneItem></DestZoneItem>
      </DestZoneList>
      <SrcAddrList>
        <SrcAddrItem></SrcAddrItem>
      </SrcAddrList>
      <DestAddrList>
        <DestAddrItem></DestAddrItem>
      </DestAddrList>
      <SrcMacAddrList>
        <SrcMacAddrItem></SrcMacAddrItem>
      </SrcMacAddrList>
      <ServGrpList>
        <ServGrpItem></ServGrpItem>
      </ServGrpList>
      <AppList>
        <AppItem></AppItem>
      </AppList>
      <AppGrpList>
        <AppGrpItem></AppGrpItem>
      </AppGrpList>
      <UserList>
        <UserItem></UserItem>
      </UserList>
      <UserGrpList>
        <UserGrpItem></UserGrpItem>
      </UserGrpList>
    </Rule>
  </GetRules>
</SecurityPolicies>

```

```

    <TimeRange></TimeRange>
    <VRF></VRF>
    <Profile></Profile>
    <Enable></Enable>
    <Log></Log>
    <Counting></Counting>
    <Count></Count>
    <Byte></Byte>
    <SessAgingTimeSw></SessAgingTimeSw>
    <SessAgingTime></SessAgingTime>
    <SessPersistAgingTimeSw></SessPersistAgingTimeSw>
    <SessPersistAgingTime></SessPersistAgingTime>
    <AllRulesCount></AllRulesCount>
    <Comment></Comment>
  </Rule>
</GetRules>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	GetRules
Table type	Multi-instance table
Row name	Rule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Type	Rule Type	Index	Enumeration: <ul style="list-style-type: none"> 1—IPv4. 2—IPv6.
ID	Rule ID.	Index	Unassigned integer. Value range: 0 to 65534.
Name	Rule name.	N/A	String, case-insensitive. Length: 1 to 127 characters.
Action	Action for the rule.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Deny. 2—Permit.
SrcZoneList	Name of the source zone list	Data structure	Members include: <ul style="list-style-type: none"> SrcZoneItem

SrcZoneItem	Name of the source zone	N/A	String, case-insensitive. Length: 1 to 31 characters.
DestZoneList	Name of the destination zone list	Data structure	Members include: • DestZoneItem
DestZoneItem	Name of the destination zone	N/A	String, case-insensitive. Length: 1 to 31 characters.
SrcAddrList	Name of the source address list.	Data structure	Members include: • SrcAddrItem
SrcAddrItem	Name of the source address	N/A	String, case-insensitive. Length: 1 to 31 characters.
DestAddrList	Name of the destination address list.	Data structure	Members include: • DestAddrItem
DestAddrItem	Name of the destination address	N/A	String, case-insensitive. Length: 1 to 31 characters.
SrcMacAddrList	Name of the source IPv4 MAC address list	Data structure	Members include: • SrcMacAddrItem
SrcMacAddrItem	Name of the source MAC address	N/A	String, case-insensitive. Length: 1 to 31 characters.
ServGrpList	Name of the service group list.	Data structure	Members include: • ServGrpItem
ServGrpItem	Name of the service group	N/A	String, case-insensitive. Length: 1 to 31 characters.
AppList	Name of the application list	Data structure	Members include: • AppItem
AppItem	Name of the application	N/A	String, case-insensitive. Length: 1 to 63 characters.
AppGrpList	Name of the application group list	Data structure	Members include: • AppGrpItem
AppGrpItem	Name of the application group	N/A	String, case-insensitive. Length: 1 to 63 characters.
UserList	Name of the user list	Data structure	Members include: • UserItem
UserItem	Name of the user	N/A	String, case-insensitive. Form: user-name, user-name@domain-name. User name length: 1 to 55 characters. Domain name length: 1 to 255 characters.
UserGrpList	Name of the user group list	Data structure	Members include: • UserGrpItem
UserGrpItem	Name of the user group	N/A	String, case-insensitive. Form: user-group-name, user-group-name@domain-name.

			<p>Group name length: 1 to 32 characters.</p> <p>Domain name length: 1 to 255 characters.</p> <p>If you want to contain a backslash (\) or an at sign (@) in the user group name, you must enter the escape character (\) before the backslash (\) or at sign (@).</p>
TimeRange	Name of the time range.	N/A	<p>String.</p> <p>Length: 1 to 32 characters.</p>
VRF	VRF name.	N/A	<p>String.</p> <p>Length: 1 to 31 characters.</p>
Profile	Profile name	N/A	<p>String.</p> <p>Length: 1 to 63 characters.</p>
Enable	Whether the rule is enabled.	N/A	<p>Boolean:</p> <ul style="list-style-type: none"> • true—Enable. • false—Disable.
Log	Whether logging is enabled.	N/A	<p>Boolean:</p> <ul style="list-style-type: none"> • true—Enable. • false—Disable.
Counting	Whether counting is enabled.	N/A	<p>Boolean:</p> <ul style="list-style-type: none"> • true—Enable. • false—Disable.
Count	Count of matches.	N/A	<p>Unassigned integer.</p> <p>Value range: 0 to $2^{64}-1$.</p>
Byte	Bytes of packets	N/A	N/A
SessAgingTimeSw	Whether the session aging timer is enabled.	N/A	<p>Boolean:</p> <ul style="list-style-type: none"> • true—Enable. • false—Disable.
SessAgingTime	Session aging time period.	N/A	<p>Unsigned integer.</p> <p>Value range: 0 to 2000000 seconds.</p>
SessPersistAgingTimeSw	Whether the persistent session aging timer is enabled.	N/A	<p>Boolean:</p> <ul style="list-style-type: none"> • true—Enable. • false—Disable.
SessPersistAgingTime	Persistent session aging time period.	N/A	<p>Unsigned integer.</p> <p>Value range: 0 to 24000 hours.</p> <p>0 indicates that the timer never ages out.</p>
AllRulesCount	The number of all security policy rules	N/A	N/A
Comment	Description.	N/A	<p>String.</p> <p>Length: 1 to 127 characters.</p>

SecurityPolicies/QueryRules

This table queries rule information.

XML structure

```
<SecurityPolicies>
  <QueryRules>
    <Rule>
      <Type></Type>
      <ID></ID>
      <Name></Name>
      <Action></Action>
      <SrcZoneList>
        <SrcZoneItem></SrcZoneItem>
      </SrcZoneList>
      <DestZoneList>
        <DestZoneItem></DestZoneItem>
      </DestZoneList>
      <SrcAddrList>
        <SrcAddrItem></SrcAddrItem>
      </SrcAddrList>
      <DestAddrList>
        <DestAddrItem></DestAddrItem>
      </DestAddrList>
      <SrcMacAddrList>
        <SrcMacAddrItem></SrcMacAddrItem>
      </SrcMacAddrList>
      <ServGrpList>
        <ServGrpItem></ServGrpItem>
      </ServGrpList>
      <AppList>
        <AppItem></AppItem>
      </AppList>
      <AppGrpList>
        <AppGrpItem></AppGrpItem>
      </AppGrpList>
      <UserList>
        <UserItem></UserItem>
      </UserList>
      <UserGrpList>
        <UserGrpItem></UserGrpItem>
      </UserGrpList>
      <TimeRange></TimeRange>
      <VRF></VRF>
      <Profile></Profile>
      <Enable></Enable>
      <Log></Log>
```

```

    <Counting></Counting>
    <Count></Count>
    <Byte></Byte>
    <SessAgingTimeSw></SessAgingTimeSw>
    <SessAgingTime></SessAgingTime>
    <SessPersistAgingTimeSw></SessPersistAgingTimeSw>
    <SessPersistAgingTime></SessPersistAgingTime>
    <AllRulesCount></AllRulesCount>
    <Comment></Comment>
  </Rule>
</QueryRules>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	QueryIPv4Rules
Table type	Multi-instance table
Row name	Rule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Type	Rule Type	Index	Enumeration: <ul style="list-style-type: none"> 1—IPv4. 2—IPv6.
ID	Rule ID.	Index	Unassigned integer. Value range: 0 to 65534.
Name	Rule name.	N/A	String, case-insensitive. Length: 1 to 127 characters.
Action	Action for the rule.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Deny. 2—Permit.
SrcZoneList	Name of the source zone list	Data structure	Members include: <ul style="list-style-type: none"> SrcZoneItem
SrcZoneItem	Name of the source zone	N/A	String, case-insensitive. Length: 1 to 31 characters.
DestZoneList	Name of the destination zone list	Data structure	Members include: <ul style="list-style-type: none"> DestZoneItem

DestZoneItem	Name of the destination zone	N/A	String, case-insensitive. Length: 1 to 31 characters.
SrcAddrList	Name of the source address list.	Data structure	Members include: • SrcAddrItem
SrcAddrItem	Name of the source address	N/A	String, case-insensitive. Length: 1 to 31 characters.
DestAddrList	Name of the destination address list.	Data structure	Members include: • DestAddrItem
DestAddrItem	Name of the destination address	N/A	String, case-insensitive. Length: 1 to 31 characters.
SrcMacAddrList	Name of the source IPv4 MAC address list.	Data structure	Members include: • SrcMacAddrItem
SrcMacAddrItem	Name of the source IPv4 MAC address	N/A	String, case-insensitive. Length: 1 to 31 characters.
ServGrpList	Name of the service group list.	Data structure	Members include: • ServGrpItem
ServGrpItem	Name of the service group	N/A	String, case-insensitive. Length: 1 to 31 characters.
AppList	Name of the application list	Data structure	Members include: • AppItem
AppItem	Name of the application	N/A	String, case-insensitive. Length: 1 to 63 characters.
AppGrpList	Name of the application group list	Data structure	Members include: • AppGrpItem
AppGrpItem	Name of the application group	N/A	String, case-insensitive. Length: 1 to 63 characters.
UserList	Name of the user list	Data structure	Members include: • UserItem
UserItem	Name of the user	N/A	String, case-insensitive. Form: user-name, user-name@domain-name. User name length: 1 to 55 characters. Domain name length: 1 to 255 characters.
UserGrpList	Name of the user group list	Data structure	Members include: • UserGrpItem
UserGrpItem	Name of the user group	N/A	String, case-insensitive. Form: user-group-name, user-group-name@domain-name. Group name length: 1 to 32 characters. Domain name length: 1 to 255 characters. If you want to contain a backslash (\) or an at sign (@) in the user group name, you must enter the escape character (\) before the backslash (\) or at sign (@).

TimeRange	Name of the time range.	N/A	String. Length: 1 to 32 characters.
VRF	VRF name.	N/A	String. Length: 1 to 31 characters.
Profile	Profile name	N/A	String. Length: 1 to 63 characters.
Enable	Whether the rule is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable.
Log	Whether logging is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable.
Counting	Whether counting is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable.
Count	Count of matches.	N/A	Unassigned integer. Value range: 0 to $2^{64}-1$.
Byte	Bytes of packets	N/A	N/A
SessAgingTimeSw	Whether the session aging timer is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable.
SessAgingTime	Session aging time period.	N/A	Unsigned integer. Value range: 0 to 2000000 seconds.
SessPersistAgingTimeSw	Whether the persistent session aging timer is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable.
SessPersistAgingTime	Persistent session aging time period.	N/A	Unsigned integer. Value range: 0 to 24000 hours. 0 indicates that the timer never ages out.
AllRulesCount	The number of all security policy rules	N/A	N/A
Comment	Description.	N/A	String. Length: 1 to 127 characters.

SecurityPolicies/IPv4SrcSecZone

This table contains source security zone information for an existing security policy rule.

XML structure

```
<SecurityPolicies>
```

```

<IPv4SrcSecZone>
  <SrcSecZone>
    <ID></ID>
    <SeqNum></SeqNum>
    <IsIncrement></IsIncrement>
    <NameList>
      <NameItem></NameItem>
    </NameList>
  </SrcSecZone>
</IPv4SrcSecZone>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv4SrcSecZone
Table type	Multi-instance table
Row name	SrcSecZone
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence Number	Index	Unassigned integer. Value range: 1 to 16.
IsIncrement	Whether to increment the data	N/A	This column is insignificant. Ignore the value in this column.
NameList	Name of the source security zone list	Data structure	Members include: <ul style="list-style-type: none"> • NameItem
NameItem	Name of the source security zone	N/A	String, case-insensitive. Length: 1 to 31 characters.

SecurityPolicies/IPv6SrcSecZone

This table contains source security zone information for an existing IPv6 security policy rule.

XML structure

```
<SecurityPolicies>
  <IPv6SrcSecZone>
    <SrcSecZone>
      <ID></ID>
      <SeqNum></SeqNum>
      <IsIncrement></IsIncrement>
      <NameList>
        <NameItem></NameItem>
      </NameList>
    </SrcSecZone>
  </IPv6SrcSecZone>
</SecurityPolicies>
```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv6SrcSecZone
Table type	Multi-instance table
Row name	SrcSecZone
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence Number	Index	Unassigned integer. Value range: 1 to 16.
IsIncrement	Whether to increment the data	N/A	This column is insignificant. Ignore the value in this column.
NameList	Name of the source security zone list	Data structure	Members include: <ul style="list-style-type: none">• NameItem
NameItem	Name of the source security zone	N/A	String, case-insensitive. Length: 1 to 31 characters.

SecurityPolicies/IPv4DestSecZone

This table contains destination security zone information for an existing IPv4 security policy rule.

XML structure

```
<SecurityPolicies>
  <IPv4DestSecZone>
    <DestSecZone>
      <ID></ID>
      <SeqNum></SeqNum>
      <IsIncrement></IsIncrement>
      <NameList>
        <NameItem></NameItem>
      </NameList>
    </DestSecZone>
  </IPv4DestSecZone>
</SecurityPolicies>
```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv4DestSecZone
Table type	Multi-instance table
Row name	DestSecZone
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence Number	Index	Unassigned integer. Value range: 1 to 16.
IsIncrement	Whether to increment the data	N/A	This column is insignificant. Ignore the value in this column.
NameList	Name of the destination security zone list	Data structure	Members include: <ul style="list-style-type: none">• NameItem

NameItem	Name of the destination security zone	N/A	String, case-insensitive. Length: 1 to 31 characters.
----------	---------------------------------------	-----	--

SecurityPolicies/IPv6DestSecZone

This table contains destination security zone information for an existing IPv6 security policy rule.

XML structure

```

<SecurityPolicies>
  <IPv6DestSecZone>
    <DestSecZone>
      <ID></ID>
      <SeqNum></SeqNum>
      <IsIncrement></IsIncrement>
      <NameList>
        <NameItem></NameItem>
      </NameList>
    </DestSecZone>
  </IPv6DestSecZone>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv6DestSecZone
Table type	Multi-instance table
Row name	DestSecZone
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence Number	Index	Unassigned integer. Value range: 1 to 16.
IsIncrement	Whether to increment the data	N/A	This column is insignificant. Ignore the value in this column.

NameList	Name of the destination security zone list	Data structure	Members include: <ul style="list-style-type: none"> NameItem
NameItem	Name of the destination security zone	N/A	String, case-insensitive. Length: 1 to 31 characters.

SecurityPolicies/IPv4SrcAddr

This table contains source address object group information for an existing IPv4 security policy rule.

XML structure

```

<SecurityPolicies>
  <IPv4SrcAddr>
    <SrcAddr>
      <ID></ID>
      <SeqNum></SeqNum>
      <IsIncrement></IsIncrement>
      <NameList>
        <NameItem></NameItem>
      </NameList>
    </SrcAddr>
  </IPv4SrcAddr>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv4SrcAddr
Table type	Multi-instance table
Row name	SrcAddr
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence Number	Index	Unassigned integer.

			Value range: 1 to 1024.
IsIncrement	Whether to increment the data	N/A	This column is insignificant. Ignore the value in this column.
NameList	Name of the source IPv4 address list	Data structure	Members include: <ul style="list-style-type: none"> NameItem
NameItem	Name of the source IPv4 address	N/A	String, case-insensitive. Length: 1 to 31 characters.

SecurityPolicies/IPv6SrcAddr

This table contains source address object group information for an existing IPv6 security policy rule.

XML structure

```

<SecurityPolicies>
  <IPv6SrcAddr>
    <SrcAddr>
      <ID></ID>
      <SeqNum></SeqNum>
      <IsIncrement></IsIncrement>
      <NameList>
        <NameItem></NameItem>
      </NameList>
    </SrcAddr>
  </IPv6SrcAddr>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv6SrcAddr
Table type	Multi-instance table
Row name	SrcAddr
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer.

			Value range: 0 to 65534.
SeqNum	Sequence Number	Index	Unassigned integer. Value range: 1 to 1024.
IsIncrement	Whether to increment the data	N/A	This column is insignificant. Ignore the value in this column.
NameList	Name of the source IPv6 address list	Data structure	Members include: <ul style="list-style-type: none"> • NameItem
NameItem	Name of the source IPv6 address	N/A	String, case-insensitive. Length: 1 to 31 characters.

SecurityPolicies/IPv4DestAddr

This table contains destination address object group information for an existing IPv4 security policy rule.

XML structure

```

<SecurityPolicies>
  <IPv4DestAddr>
    <DestAddr>
      <ID></ID>
      <SeqNum></SeqNum>
      <IsIncrement></IsIncrement>
      <NameList>
        <NameItem></NameItem>
      </NameList>
    </DestAddr>
  </IPv4DestAddr>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv4DestAddr
Table type	Multi-instance table
Row name	DestAddr
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence Number	Index	Unassigned integer. Value range: 1 to 1024.
IsIncrement	Whether to increment the data	N/A	This column is insignificant. Ignore the value in this column.
NameList	Name of the destination IPv4 address list	Data structure	Members include: <ul style="list-style-type: none">• NameItem
NameItem	Name of the destination IPv4 address	N/A	String, case-insensitive. Length: 1 to 31 characters.

SecurityPolicies/IPv6DestAddr

This table contains destination address object group information for an existing IPv6 security policy rule.

XML structure

```
<SecurityPolicies>
  <IPv6DestAddr>
    <DestAddr>
      <ID></ID>
      <SeqNum></SeqNum>
      <IsIncrement></IsIncrement>
      <NameList>
        <NameItem></NameItem>
      </NameList>
    </DestAddr>
  </IPv6DestAddr>
</SecurityPolicies>
```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv6DestAddr
Table type	Multi-instance table

Row name	DestAddr
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence Number	Index	Unassigned integer. Value range: 1 to 1024.
IsIncrement	Whether to increment the data	N/A	This column is insignificant. Ignore the value in this column.
NameList	Name of the destination IPv6 address list	Data structure	Members include: <ul style="list-style-type: none"> NameItem
NameItem	Name of the destination IPv6 address	N/A	String, case-insensitive. Length: 1 to 31 characters.

SecurityPolicies/IPv4SrcMacAddr

This table contains source MAC address object group information for an existing IPv4 security policy rule.

XML structure

```

<SecurityPolicies>
  <IPv4SrcMacAddr>
    <SrcMacAddr>
      <ID></ID>
      <SeqNum></SeqNum>
      <IsIncrement></IsIncrement>
      <NameList>
        <NameItem></NameItem>
      </NameList>
    </SrcMacAddr>
  </IPv4SrcMacAddr>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv4SrcMacAddr
Table type	Multi-instance table
Row name	SrcMacAddr
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence Number	Index	Unassigned integer. Value range: 1 to 1024.
IsIncrement	Whether to increment the data	N/A	This column is insignificant. Ignore the value in this column.
NameList	Name of the source IPv4 MAC address list	Data structure	Members include: <ul style="list-style-type: none">• NameItem
NameItem	Name of the source IPv4 MAC address	N/A	String, case-insensitive. Length: 1 to 31 characters.

SecurityPolicies/IPv4ServGrp

This table contains service object group information for an existing IPv4 security policy rule.

XML structure

```
<SecurityPolicies>
  <IPv4ServGrp>
    <ServGrp>
      <ID></ID>
      <SeqNum></SeqNum>
      <IsIncrement></IsIncrement>
      <NameList>
        <NameItem></NameItem>
      </NameList>
    </ServGrp>
  </IPv4ServGrp>
</SecurityPolicies>
```

```

    </ServGrp>
  </IPv4ServGrp>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv4ServGrp
Table type	Multi-instance table
Row name	ServGrp
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence Number	Index	Unassigned integer. Value range: 1 to 1024.
IsIncrement	Whether to increment the data	N/A	This column is insignificant. Ignore the value in this column.
NameList	Name of the service object group list	Data structure	Members include: <ul style="list-style-type: none"> Nameltem
Nameltem	Name of the service object group	N/A	String, case-insensitive. Length: 1 to 31 characters.

SecurityPolicies/IPv6ServGrp

This table contains service object group information for an existing IPv6 security policy rule.

XML structure

```

<SecurityPolicies>
  <IPv6ServGrp>
    <ServGrp>
      <ID></ID>
      <SeqNum></SeqNum>
      <IsIncrement></IsIncrement>
      <NameList>

```

```

        <NameItem></NameItem>
    </NameList>
</ServGrp>
</IPv6ServGrp>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv6ServGrp
Table type	Multi-instance table
Row name	ServGrp
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence Number	Index	Unassigned integer. Value range: 1 to 1024.
IsIncrement	Whether to increment the data	N/A	This column is insignificant. Ignore the value in this column.
NameList	Name of the service object group list	Data structure	Members include: <ul style="list-style-type: none"> NameItem
NameItem	Name of the service object group	N/A	String, case-insensitive. Length: 1 to 31 characters.

SecurityPolicies/IPv4App

This table contains application information for an existing IPv4 security policy rule.

XML structure

```

<SecurityPolicies>
  <IPv4App>
    <App>
      <ID></ID>
      <SeqNum></SeqNum>
    </App>
  </IPv4App>
</SecurityPolicies>

```

```

    <IsIncrement></IsIncrement>
    <NameList>
      <NameItem></NameItem>
    </NameList>
  </App>
</IPv4App>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv4App
Table type	Multi-instance table
Row name	App
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence Number	Index	Unassigned integer. Value range: 1 to 1024.
IsIncrement	Whether to increment the data	N/A	This column is insignificant. Ignore the value in this column.
NameList	Name of the application list	Data structure	Members include: <ul style="list-style-type: none"> NameItem
NameItem	Name of the application	N/A	String, case-insensitive. Length: 1 to 63 characters.

SecurityPolicies/IPv6App

This table contains application information for an existing IPv6 security policy rule.

XML structure

```

<SecurityPolicies>
  <IPv6App>
    <App>

```

```

<ID></ID>
<SeqNum></SeqNum>
<IsIncrement></IsIncrement>
<NameList>
  <NameItem></NameItem>
</NameList>
</App>
</IPv6App>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv6App
Table type	Multi-instance table
Row name	App
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence Number	Index	Unassigned integer. Value range: 1 to 1024.
IsIncrement	Whether to increment the data	N/A	This column is insignificant. Ignore the value in this column.
NameList	Name of the application list	Data structure	Members include: <ul style="list-style-type: none"> NameItem
NameItem	Name of the application	N/A	String, case-insensitive. Length: 1 to 63 characters.

SecurityPolicies/IPv4AppGrp

This table contains application group information for an existing IPv4 security policy rule.

XML structure

```
<SecurityPolicies>
  <IPv4AppGrp>
    <AppGrp>
      <ID></ID>
      <SeqNum></SeqNum>
      <IsIncrement></IsIncrement>
      <NameList>
        <NameItem></NameItem>
      </NameList>
    </AppGrp>
  </IPv4AppGrp>
</SecurityPolicies>
```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv4AppGrp
Table type	Multi-instance table
Row name	AppGrp
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence Number	Index	Unassigned integer. Value range: 1 to 1024.
IsIncrement	Whether to increment the data	N/A	This column is insignificant. Ignore the value in this column.
NameList	Name of the application group list	Data structure	Members include: <ul style="list-style-type: none">• NameItem
NameItem	Name of the application group	N/A	String, case-insensitive. Length: 1 to 63 characters.

SecurityPolicies/IPv6AppGrp

This table contains application group information for an existing IPv6 security policy rule.

XML structure

```
<SecurityPolicies>
  <IPv6AppGrp>
    <AppGrp>
      <ID></ID>
      <SeqNum></SeqNum>
      <IsIncrement></IsIncrement>
      <NameList>
        <NameItem></NameItem>
      </NameList>
    </AppGrp>
  </IPv6AppGrp>
</SecurityPolicies>
```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv6AppGrp
Table type	Multi-instance table
Row name	AppGrp
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence Number	Index	Unassigned integer. Value range: 1 to 1024.
IsIncrement	Whether to increment the data	N/A	This column is insignificant. Ignore the value in this column.
NameList	Name of the application group list	Data structure	Members include: <ul style="list-style-type: none">• NameItem

NameItem	Name of the application group	N/A	String, case-insensitive. Length: 1 to 63 characters.
----------	-------------------------------	-----	--

SecurityPolicies/IPv4User

This table contains user information for an existing IPv4 security policy rule.

XML structure

```

<SecurityPolicies>
  <IPv4User>
    <User>
      <ID></ID>
      <SeqNum></SeqNum>
      <IsIncrement></IsIncrement>
      <NameList>
        <NameItem></NameItem>
      </NameList>
    </User>
  </IPv4User>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv4User
Table type	Multi-instance table
Row name	User
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence Number	Index	Unassigned integer. Value range: 1 to 1024.
IsIncrement	Whether to increment the data	N/A	This column is insignificant. Ignore the value in this column.

NameList	Name of the user list	Data structure	Members include: <ul style="list-style-type: none"> NameItem.
NameItem	Name of the user	N/A	String, case-sensitive. Form: user-name, user-name@domain-name. User name length: 1 to 55 characters. Domain name length: 1 to 255 characters.

SecurityPolicies/IPv6User

This table contains user information for an existing IPv6 security policy rule.

XML structure

```

<SecurityPolicies>
  <IPv6User>
    <User>
      <ID></ID>
      <SeqNum></SeqNum>
      <IsIncrement></IsIncrement>
      <NameList>
        <NameItem></NameItem>
      </NameList>
    </User>
  </IPv6User>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv6User
Table type	Multi-instance table
Row name	User
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.

SeqNum	Sequence Number	Index	Unassigned integer. Value range: 1 to 1024.
IsIncrement	Whether to increment the data	N/A	This column is insignificant. Ignore the value in this column.
NameList	Name of the user list	Data structure	Members include: <ul style="list-style-type: none"> Nameltem
Nameltem	Name of the user	N/A	String, case-sensitive. Form: user-name, user-name@domain-name. User name length: 1 to 55 characters. Domain name length: 1 to 255 characters.

SecurityPolicies/IPv4UserGrp

This table contains user group information for an existing IPv4 security policy rule.

XML structure

```

<SecurityPolicies>
  <IPv4UserGrp>
    <UserGrp>
      <ID></ID>
      <SeqNum></SeqNum>
      <IsIncrement></IsIncrement>
      <NameList>
        <NameItem></NameItem>
      </NameList>
    </UserGrp>
  </IPv4UserGrp>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv4UserGrp
Table type	Multi-instance table
Row name	UserGrp
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence Number	Index	Unassigned integer. Value range: 1 to 1024.
IsIncrement	Whether to increment the data	N/A	This column is insignificant. Ignore the value in this column.
NameList	Name of the user group list	Data structure	Members include: <ul style="list-style-type: none">• NameItem
NameItem	Name of the user group	N/A	String, case-insensitive. Form: user-group-name, user-group-name@domain-name. Group name length: 1 to 32 characters. Domain name length: 1 to 255 characters. If you want to contain a backslash (\) or an at sign (@) in the user group name, you must enter the escape character (\) before the backslash (\) or at sign (@).

SecurityPolicies/IPv6UserGrp

This table contains user group information for an existing IPv6 security policy rule.

XML structure

```
<SecurityPolicies>
  <IPv6UserGrp>
    <UserGrp>
      <ID></ID>
      <SeqNum></SeqNum>
      <IsIncrement></IsIncrement>
      <NameList>
        <NameItem></NameItem>
      </NameList>
    </UserGrp>
  </IPv6UserGrp>
</SecurityPolicies>
```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv6UserGrp
Table type	Multi-instance table
Row name	UserGrp
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence Number	Index	Unassigned integer. Value range: 1 to 1024.
IsIncrement	Whether to increment the data	N/A	This column is insignificant. Ignore the value in this column.
NameList	Name of the user group list	Data structure	Members include: <ul style="list-style-type: none">NamelItem
NamelItem	Name of the user group	N/A	String, case-insensitive. Form: user-group-name, user-group-name@domain-name. Group name length: 1 to 32 characters. Domain name length: 1 to 255 characters. If you want to contain a backslash (\) or an at sign (@) in the user group name, you must enter the escape character (\) before the backslash (\) or at sign (@).

SecurityPolicies/AllocRuleID

This table contains an available rule ID.

XML structure

```
<SecurityPolicies>
  <AllocRuleID>
    <Rule>
      <Type></Type>
      <ID></ID>
```

```

    </Rule>
  </AllocRuleID>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	AllocRuleID
Table type	Single-instance table
Row name	Rule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Type	Rule Type	Index	Enumeration: <ul style="list-style-type: none"> 1—IPv4. 2—IPv6.
ID	Rule ID.	N/A	Unassigned integer. Value range: 0 to 65534.

SecurityPolicies/Accelerate

This table contains security policy rule matching acceleration information for security policies.

XML structure

```

<SecurityPolicies>
  <Accelerate>
    <Enable></Enable>
  </Accelerate>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	Accelerate
Table type	Single-instance table
Row name	N/A

Restrictions	None
--------------	------

Columns

Column name	Column description	Column type	Data type and restrictions
Enable	Whether to enable rule matching acceleration for the security policy.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable.

SecurityPolicies/GetAccelerateCommitStatus

This table contains acceleration commit status information for the security policy.

XML structure

```
<SecurityPolicies>
  <GetAccelerateCommitStatus>
    <Status></Status>
  </GetAccelerateCommitStatus>
</SecurityPolicies>
```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	Accelerate
Table type	Single-instance table
Row name	N/A
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Status	Whether to enable rule acceleration for the security policy.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable. 	Optional.

SecurityPolicies/BaseProtocols

This table contains base protocol informations for the existing applications and application-groups within a security policy rule.

XML structure

```
<SecurityPolicies>
  <BaseProtocols>
    <Protocol>
      <Type></Type>
      <ID></ID>
      <ProtoNum></ProtoNum>
      <AppNum></AppNum>
      <ProtocolItem></ProtocolItem>
      <NameList>
        <AppItem></AppItem>
      </NameList>
    </Protocol>
  </BaseProtocols>
</SecurityPolicies>
```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	BaseProtocols
Table type	Multi-instance table
Row name	Protocol
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Type	Rule Type	Index	Enumeration: <ul style="list-style-type: none">1—IPv4.2—IPv6.
ID	Rule ID.	Index	Unassigned integer. Value range: 0 to 65534.
ProtoNum	Protocol Number	Index	Unassigned integer. Value range: 1 to 1024.

AppNum	Application Number	Index	Unassigned integer. Value range: 1 to 1024.
ProtocolItem	Name of the protocol	N/A	String, case-insensitive. Length: 1 to 63 characters.
NameList	Name of the applicaton list	Data structure	Members include: <ul style="list-style-type: none"> • ApplItem
ApplItem	Name of the application	N/A	String, case-insensitive. Length: 1 to 63 characters.

SecurityPolicies/RedundancyCheckStatus

This table contains status information for checking the redundant security policy rules.

XML structure

```
<SecurityPolicies>
  <RedundancyCheckStatus>
    <Status></Status>
    <Proportion></Proportion>
  </RedundancyCheckStatus>
</SecurityPolicies>
```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	RedundancyCheckStatus
Table type	Single-instance table
Row name	Status
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Status	The status for checking redundancy security policy rules	N/A	Enumeration: <ul style="list-style-type: none"> • 0—init. • 1—finished. • 2—checking.
Proportion	Percentage of progress	N/A	Unassigned integer. Value range: 0 to 100.

SecurityPolicies/ContainRedundancyRules

This table shows security policy rules that have redundant rules.

XML structure

```
<SecurityPolicies>
  <ContainRedundancyRules>
    <Rule>
      <Type></Type>
      <RuleID></RuleID>
      <RuleName></RuleName>
      <Action></Action>
      <SrcZoneList>
        <SrcZoneItem></SrcZoneItem>
        <SrcZoneStatus></SrcZoneStatus>
      </SrcZoneList>
      <DestZoneList>
        <DestZoneItem></DestZoneItem>
        <DestZoneStatus></DestZoneStatus>
      </DestZoneList>
      <SrcMacAddrList>
        <SrcMacAddrItem></SrcMacAddrItem>
        <SrcMacAddrStatus></SrcMacAddrStatus>
      </SrcMacAddrList>
      <SrcAddrList>
        <SrcAddrItem></SrcAddrItem>
        <SrcAddrStatus></SrcAddrStatus>
      </SrcAddrList>
      <DestAddrList>
        <DestAddrItem></DestAddrItem>
        <DestAddrStatus></DestAddrStatus>
      </DestAddrList>
      <ServGrpList>
        <ServGrpItem></ServGrpItem>
        <ServGrpStatus></ServGrpStatus>
      </ServGrpList>
      <AppList>
        <AppItem></AppItem>
        <AppStatus></AppStatus>
      </AppList>
      <AppGrpList>
        <AppGrpItem></AppGrpItem>
        <AppGrpStatus></AppGrpStatus>
      </AppGrpList>
      <UserList>
        <UserItem></UserItem>
        <UserStatus></UserStatus>
```

```

</UserList>
<UserGrpList>
  <UserGrpItem></UserGrpItem>
  <UserGrpStatus></UserGrpStatus>
</UserGrpList>
<TimeRange></TimeRange>
<VRF></VRF>
<Enable></Enable>
<Comment></Comment>
<Profile></Profile>
</Rule>
</ContainRedundancyRules>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	ContainRedundancyRules
Table type	Multi-instance table
Row name	Rule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Type	Rule type	Index	Enumeration: <ul style="list-style-type: none"> 1—IPv4. 2—IPv6.
RuleID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
RuleName	Rule name	N/A	String, case-insensitive. Length: 1 to 127 characters.
Action.	Action for the rule	N/A	Enumeration: <ul style="list-style-type: none"> 1—Deny. 2—Permit.
SrcZoneList	Name of the source zone list	Data structure	Members include: <ul style="list-style-type: none"> SrcZoneItem. SrcZoneStatus.
SrcZoneItem	Name of the source zone	N/A	String, case-insensitive. Length: 1 to 31 characters.
SrcZoneStatus	Status of the source zone	N/A	Boolean: <ul style="list-style-type: none"> true—Effective.

			<ul style="list-style-type: none"> false—Not effective.
DestZoneList	Name of the destination zone list	Data structure	Members include: <ul style="list-style-type: none"> DestZoneItem. DestZoneStatus.
DestZoneItem	Name of the destination zone	N/A	String, case-insensitive. Length: 1 to 31 characters.
DestZoneStatus	Status of the destination zone	N/A	Boolean: <ul style="list-style-type: none"> true—Effective. false—Not effective.
SrcMacAddrList	Name of the source IPv4 MAC address list	Data structure	Members include: <ul style="list-style-type: none"> SrcMacAddrItem. SrcMacAddrStatus.
SrcMacAddrItem	Name of the source MAC address	N/A	String, case-insensitive. Length: 1 to 31 characters.
SrcMacAddrStatus	Status of the source MAC address	N/A	Boolean: <ul style="list-style-type: none"> true—Effective. false—Not effective.
SrcAddrList	Name of the source address list	Data structure	Members include: <ul style="list-style-type: none"> SrcAddrItem. SrcAddrStatus.
SrcAddrItem	Name of the source address	N/A	String, case-insensitive. Length: 1 to 31 characters.
SrcAddrStatus	Status of the source address	N/A	Boolean: <ul style="list-style-type: none"> true—Effective. false—Not effective.
DestAddrList	Name of the destination address list	Data structure	Members include: <ul style="list-style-type: none"> DestAddrItem. DestAddrStatus.
DestAddrItem	Name of the destination address	N/A	String, case-insensitive. Length: 1 to 31 characters.
DestAddrStatus	Status of the destination address	N/A	Boolean: <ul style="list-style-type: none"> true—Effective. false—Not effective.
ServGrpList	Name of the service group list	Data structure	Members include: <ul style="list-style-type: none"> ServGrpItem. ServGrpStatus.
ServGrpItem	Name of the service group	N/A	String, case-insensitive. Length: 1 to 31 characters.
ServGrpStatus	Status of the service group	N/A	Boolean: <ul style="list-style-type: none"> true—Effective. false—Not effective.
AppList	Name of the application list	Data structure	Members include: <ul style="list-style-type: none"> AppItem. AppStatus.
AppItem	Name of the	N/A	String, case-insensitive.

	application		Length: 1 to 63 characters.
AppStatus	Status of the application	N/A	Boolean: <ul style="list-style-type: none"> • true—Effective. • false—Not effective.
AppGrpList	Name of the application group list	Data structure	Members include: <ul style="list-style-type: none"> • AppGrpItem. • AppGrpStatus
AppGrpItem	Name of the application group	N/A	String, case-insensitive. Length: 1 to 63 characters.
AppGrpStatus	Status of the application group	N/A	Boolean: <ul style="list-style-type: none"> • true—Effective. • false—Not effective.
UserList	Name of the user list	Data structure	Members include: <ul style="list-style-type: none"> • UserItem. • UserStatus
UserItem	Name of the user	N/A	String, case-insensitive. Form: user-name, user-name@domain-name. User name length: 1 to 55 characters. Domain name length: 1 to 255 characters.
UserStatus	Status of the user	N/A	Boolean: <ul style="list-style-type: none"> • true—Effective. • false—Not effective.
UserGrpList	Name of the user group list	Data structure	Members include: <ul style="list-style-type: none"> • UserGrpItem. • UserGrpStatus
UserGrpItem	Name of the user group	N/A	String, case-insensitive. Form: user-group-name, user-group-name@domain-name. Group name length: 1 to 32 characters. Domain name length: 1 to 255 characters. If you want to contain a backslash (\) or an at sign (@) in the user group name, you must enter the escape character (\) before the backslash (\) or at sign (@).
UserGrpStatus	Status of the user group	N/A	Boolean: <ul style="list-style-type: none"> • true—Effective. • false—Not effective.
TimeRange	Name of the time range	N/A	String, case-insensitive. Length: 1 to 32 characters. The string must start with an English letter.
VRF	VRF name	N/A	String, case-insensitive. Length: 1 to 31 characters.
Enable	Whether to enable the rule	N/A	Boolean: <ul style="list-style-type: none"> • true—Enable. • false—Disable.

Comment	Description	N/A	String. Length: 1 to 127 characters.
Profile	Profile name	N/A	String. Length: 1 to 63 characters.

SecurityPolicies/ConfirmedRedundancyRules

This table shows redundant security policy rules.

XML structure

```

<SecurityPolicies>
  <ConfirmedRedundancyRules>
    <Rule>
      <Type></Type>
      <RuleID></RuleID>
      <RuleName></RuleName>
      <ContainRedundancyRuleID></ContainRedundancyRuleID>
      <Action></Action>
      <SrcZoneList>
        <SrcZoneItem></SrcZoneItem>
        <SrcZoneStatus></SrcZoneStatus>
      </SrcZoneList>
      <DestZoneList>
        <DestZoneItem></DestZoneItem>
        <DestZoneStatus></DestZoneStatus>
      </DestZoneList>
      <SrcMacAddrList>
        <SrcMacAddrItem></SrcMacAddrItem>
        <SrcMacAddrStatus></SrcMacAddrStatus>
      </SrcMacAddrList>
      <SrcAddrList>
        <SrcAddrItem></SrcAddrItem>
        <SrcAddrStatus></SrcAddrStatus>
      </SrcAddrList>
      <DestAddrList>
        <DestAddrItem></DestAddrItem>
        <DestAddrStatus></DestAddrStatus>
      </DestAddrList>
      <ServGrpList>
        <ServGrpItem></ServGrpItem>
        <ServGrpStatus></ServGrpStatus>
      </ServGrpList>
      <AppList>
        <AppItem></AppItem>
        <AppStatus></AppStatus>
      </AppList>
    </Rule>
  </ConfirmedRedundancyRules>
</SecurityPolicies>

```



```

<AppGrpList>
  <AppGrpItem></AppGrpItem>
  <AppGrpStatus></AppGrpStatus>
</AppGrpList>
<UserList>
  <UserItem></UserItem>
  <UserStatus></UserStatus>
</UserList>
<UserGrpList>
  <UserGrpItem></UserGrpItem>
  <UserGrpStatus></UserGrpStatus>
</UserGrpList>
<TimeRange></TimeRange>
<VRF></VRF>
<Enable></Enable>
<Comment></Comment>
<Profile></Profile>
</Rule>
</ConfirmedRedundancyRules>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	ConfirmedRedundancyRules
Table type	Multi-instance table
Row name	Rule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Type	Rule type	Index	Enumeration: <ul style="list-style-type: none"> 1—IPv4. 2—IPv6.
RuleID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
RuleName	Rule name	N/A	String, case-insensitive. Length: 1 to 127 characters.
ContainRedundancyRuleID	ID of the rule that contains this redundant rule	N/A	Unassigned integer. Value range: 0 to 65534.

Action.	Action for the rule	N/A	Enumeration: <ul style="list-style-type: none"> 1—Deny. 2—Permit.
SrcZoneList	Name of the source zone list	Data structure	Members include: <ul style="list-style-type: none"> SrcZoneItem. SrcZoneStatus.
SrcZoneItem	Name of the source zone	N/A	String, case-insensitive. Length: 1 to 31 characters.
SrcZoneStatus	Status of the source zone	N/A	Boolean: <ul style="list-style-type: none"> true—Effective. false—Not effective.
DestZoneList	Name of the destination zone list	Data structure	Members include: <ul style="list-style-type: none"> DestZoneItem. DestZoneStatus.
DestZoneItem	Name of the destination zone	N/A	String, case-insensitive. Length: 1 to 31 characters.
DestZoneStatus	Status of the destination zone	N/A	Boolean: <ul style="list-style-type: none"> true—Effective. false—Not effective.
SrcMacAddrList	Name of the source IPv4 MAC address list	Data structure	Members include: <ul style="list-style-type: none"> SrcMacAddrItem. SrcMacAddrStatus.
SrcMacAddrItem	Name of the source MAC address	N/A	String, case-insensitive. Length: 1 to 31 characters.
SrcMacAddrStatus	Status of the source MAC address	N/A	Boolean: <ul style="list-style-type: none"> true—Effective. false—Not effective.
SrcAddrList	Name of the source address list	Data structure	Members include: <ul style="list-style-type: none"> SrcAddrItem. SrcAddrStatus.
SrcAddrItem	Name of the source address	N/A	String, case-insensitive. Length: 1 to 31 characters.
SrcAddrStatus	Status of the source address	N/A	Boolean: <ul style="list-style-type: none"> true—Effective. false—Not effective.
DestAddrList	Name of the destination address list.	Data structure	Members include: <ul style="list-style-type: none"> DestAddrItem. DestAddrStatus.
DestAddrItem	Name of the destination address	N/A	String, case-insensitive. Length: 1 to 31 characters.
DestAddrStatus	Status of the destination address	N/A	Boolean: <ul style="list-style-type: none"> true—Effective. false—Not effective.
ServGrpList	Name of the service group list	Data structure	Members include: <ul style="list-style-type: none"> ServGrpItem.

			<ul style="list-style-type: none"> • ServGrpStatus.
ServGrpItem	Name of the service group	N/A	String, case-insensitive. Length: 1 to 31 characters.
ServGrpStatus	Status of the service group	N/A	Boolean: <ul style="list-style-type: none"> • true—Effective. • false—Not effective.
AppList	Name of the application list	Data structure	Members include: <ul style="list-style-type: none"> • ApplItem. • AppStatus
ApplItem	Name of the application	N/A	String, case-insensitive. Length: 1 to 63 characters.
AppStatus	Status of the application	N/A	Boolean: <ul style="list-style-type: none"> • true—Effective. • false—Not effective.
AppGrpList	Name of the application group list	Data structure	Members include: <ul style="list-style-type: none"> • AppGrpItem. • AppGrpStatus
AppGrpItem	Name of the application group	N/A	String, case-insensitive. Length: 1 to 63 characters.
AppGrpStatus	Status of the application group.	N/A	Boolean: <ul style="list-style-type: none"> • true—Effective. • false—Not effective.
UserList	Name of the user list	Data structure	Members include: <ul style="list-style-type: none"> • UserItem. • UserStatus
UserItem	Name of the user	N/A	String, case-insensitive. Form: user-name, user-name@domain-name. User name length: 1 to 55 characters. Domain name length: 1 to 255 characters.
UserStatus	Status of the user.	N/A	Boolean: <ul style="list-style-type: none"> • true—Effective. • false—Not effective.
UserGrpList	Name of the user group list	Data structure	Members include: <ul style="list-style-type: none"> • UserGrpItem. • UserGrpStatus
UserGrpItem	Name of the user group	N/A	String, case-insensitive. Form: user-group-name, user-group-name@domain-name. Group name length: 1 to 32 characters. Domain name length: 1 to 255 characters. If you want to contain a backslash (\) or an at sign (@) in the user group name, you must enter the escape character (\) before the backslash (\) or at sign (@).
UserGrpStatus	Status of the user group.	N/A	Boolean: <ul style="list-style-type: none"> • true—Effective.

			<ul style="list-style-type: none"> false—Not effective.
TimeRange	Name of the time range.	N/A	String, case-insensitive. Length: 1 to 32 characters. The string must start with an English letter.
VRF	VRF name.	N/A	String, case-insensitive. Length: 1 to 31 characters.
Enable	Whether to enable the rule.	N/A	Boolean: <ul style="list-style-type: none"> true—Enable. false—Disable.
Comment	Description.	N/A	String. Length: 1 to 127 characters.
Profile	Profile name	N/A	String. Length: 1 to 63 characters.

SecurityPolicies/IPv4SrcSecZoneInfo

This table contains source security zone information for an IPv4 security policy rule that is redundant or has a redundant rule.

XML structure

```

<SecurityPolicies>
  <IPv4SrcSecZoneInfo>
    <SrcSecZoneInfo>
      <ID></ID>
      <SeqNum></SeqNum>
      <NameList>
        <Name></Name>
        <Status></Status>
      </NameList>
    </SrcSecZoneInfo>
  </IPv4SrcSecZoneInfo>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv4SrcSecZoneInfo
Table type	Multi-instance table
Row name	SrcSecZoneInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence number	Index	Unassigned integer. Value range: 0 to 16.
NameList	Name of the source security zone list	Data structure	Members include: <ul style="list-style-type: none">Name.Status.
Name	Name of the source security zone	N/A	String, case-insensitive. Length: 1 to 31 characters.
Status	Status of the source security zone.	N/A	Boolean: <ul style="list-style-type: none">true—Effective.false—Not effective.

SecurityPolicies/IPv6SrcSecZoneInfo

This table contains source security zone information for an IPv6 security policy rule that is redundant or has a redundant rule.

XML structure

```
<SecurityPolicies>
  <IPv6SrcSecZoneInfo>
    <SrcSecZoneInfo>
      <ID></ID>
      <SeqNum></SeqNum>
      <NameList>
        <Name></Name>
        <Status></Status>
      </NameList>
    </SrcSecZoneInfo>
  </IPv6SrcSecZoneInfo>
</SecurityPolicies>
```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv6SrcSecZoneInfo
Table type	Multi-instance table

Row name	SrcSecZoneInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence number	Index	Unassigned integer. Value range: 0 to 16.
NameList	Name of the source security zone list	Data structure	Members include: <ul style="list-style-type: none"> Name. Status.
Name	Name of the source security zone	N/A	String, case-insensitive. Length: 1 to 31 characters.
Status	Status of the source security zone	N/A	Boolean: <ul style="list-style-type: none"> true—Effective. false—Not effective.

SecurityPolicies/IPv4DestSecZoneInfo

This table contains destination security zone information for an IPv4 security policy rule that is redundant or has a redundant rule.

XML structure

```

<SecurityPolicies>
  <IPv4DestSecZoneInfo>
    <DestSecZoneInfo>
      <ID></ID>
      <SeqNum></SeqNum>
      <NameList>
        <Name></Name>
        <Status></Status>
      </NameList>
    </DestSecZoneInfo>
  </IPv4DestSecZoneInfo>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv4DestSecZoneInfo
Table type	Multi-instance table
Row name	DestSecZoneInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence number	Index	Unassigned integer. Value range: 0 to 16.
NameList	Name of the destination security zone list	Data structure	Members include: <ul style="list-style-type: none">Name.Status.
Name	Name of the destination security zone	N/A	String, case-insensitive. <ul style="list-style-type: none">Length: 1 to 31 characters.
Status	Status of the destination security zone.	N/A	Boolean: <ul style="list-style-type: none">true—Effective.false—Not effective.

SecurityPolicies/IPv6DestSecZoneInfo

This table contains destination security zone information for an IPv6 security policy rule that is redundant or has a redundant rule.

XML structure

```
<SecurityPolicies>
  <IPv6DestSecZoneInfo>
    <DestSecZoneInfo>
      <ID></ID>
      <SeqNum></SeqNum>
      <NameList>
        <Name></Name>
        <Status></Status>
      </NameList>
```

```

    </DestSecZoneInfo>
  </IPv6DestSecZoneInfo>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv6DestSecZoneInfo
Table type	Multi-instance table
Row name	DestSecZoneInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence number	Index	Unassigned integer. Value range: 0 to 16.
NameList	Name of the destination security zone list	Data structure	Members include: <ul style="list-style-type: none"> Name. Status
Name	Name of the destination security zone	N/A	String, case-insensitive. <ul style="list-style-type: none"> Length: 1 to 31 characters.
Status	Status of the destination security zone	N/A	Boolean: <ul style="list-style-type: none"> true—Effective. false—Not effective.

SecurityPolicies/IPv4SrcMacAddrGrpInfo

This table contains source MAC address object group information for an IPv4 security policy rule that is redundant or has a redundant rule.

XML structure

```

<SecurityPolicies>
  <IPv4SrcMacAddrGrpInfo>
    <SrcMacAddrGrpInfo>
      <ID></ID>
      <SeqNum></SeqNum>
    </SrcMacAddrGrpInfo>
  </IPv4SrcMacAddrGrpInfo>
</SecurityPolicies>

```



```

    <NameList>
      <Name></Name>
      <Status></Status>
    </NameList>
  </SrcMacAddrGrpInfo>
</IPv4SrcMacAddrGrpInfo>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv4SrcMacAddrGrpInfo
Table type	Multi-instance table
Row name	SrcMacAddrGrpInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence number	Index	Unassigned integer. Value range: 0 to 1024.
NameList	Name of the source MAC address group list	Data structure	Members include: <ul style="list-style-type: none"> Name. Status.
Name	Name of the source MAC address group	N/A	String, case-insensitive. Length: 1 to 31 characters.
Status	Status of the source MAC address group.	N/A	Boolean: <ul style="list-style-type: none"> true—Effective. false—Not effective.

SecurityPolicies/IPv4SrcAddrGrpInfo

This table contains source address object group information for an IPv4 security policy rule that is redundant or has a redundant rule.

XML structure

```
<SecurityPolicies>
```

```

<IPv4SrcAddrGrpInfo>
  <SrcAddrGrpInfo>
    <ID></ID>
    <SeqNum></SeqNum>
    <NameList>
      <Name></Name>
      <Status></Status>
    </NameList>
  </SrcAddrGrpInfo>
</IPv4SrcAddrGrpInfo>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv4SrcAddrGrpInfo
Table type	Multi-instance table
Row name	SrcAddrGrpInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence number	Index	Unassigned integer. Value range: 0 to 1024.
NameList	Name of the source address group list	Data structure	Members include: <ul style="list-style-type: none"> Name. Status.
Name	Name of the source address group	N/A	String, case-insensitive. Length: 1 to 31 characters.
Status	Status of the source address group.	N/A	Boolean: <ul style="list-style-type: none"> true—Effective. false—Not effective.

SecurityPolicies/IPv6SrcAddrGrpInfo

This table contains source address object group information for an IPv6 security policy rule that is redundant or has a redundant rule.

XML structure

```
<SecurityPolicies>
  <IPv6SrcAddrGrpInfo>
    <SrcAddrGrpInfo>
      <ID></ID>
      <SeqNum></SeqNum>
      <NameList>
        <Name></Name>
        <Status></Status>
      </NameList>
    </SrcAddrGrpInfo>
  </IPv6SrcAddrGrpInfo>
</SecurityPolicies>
```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv6SrcAddrGrpInfo
Table type	Multi-instance table
Row name	SrcAddrGrpInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence number	Index	Unassigned integer. Value range: 0 to 1024.
NameList	Name of the source address group list	Data structure	Members include: <ul style="list-style-type: none">Name.Status
Name	Name of the source address group	N/A	String, case-insensitive. Length: 1 to 31 characters.
Status	Status of the source address group.	N/A	Boolean: <ul style="list-style-type: none">true—Effective.false—Not effective.

SecurityPolicies/IPv4DestAddrGrpInfo

This table contains destination address object group information for an IPv4 security policy rule that is redundant or has a redundant rule.

XML structure

```
<SecurityPolicies>
  <IPv4DestAddrGrpInfo>
    <DestAddrGrpInfo>
      <ID></ID>
      <SeqNum></SeqNum>
      <NameList>
        <Name></Name>
        <Status></Status>
      </NameList>
    </DestAddrGrpInfo>
  </IPv4DestAddrGrpInfo>
</SecurityPolicies>
```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv4DestAddrGrpInfo
Table type	Multi-instance table
Row name	DestAddrGrpInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence number	Index	Unassigned integer. Value range: 0 to 1024.
NameList	Name of the destination address group list	Data structure	Members include: <ul style="list-style-type: none">Name.Status
Name	Name of the destination address group	N/A	String, case-insensitive. Length: 1 to 31 characters.

Status	Status of the destination address group.	N/A	Boolean: <ul style="list-style-type: none"> true—Effective. false—Not effective.
--------	--	-----	--

SecurityPolicies/IPv6DestAddrGrpInfo

This table contains destination address object group information for an IPv6 security policy rule that is redundant or has a redundant rule.

XML structure

```
<SecurityPolicies>
  <IPv6DestAddrGrpInfo>
    <DestAddrGrpInfo>
      <ID></ID>
      <SeqNum></SeqNum>
      <NameList>
        <Name></Name>
        <Status></Status>
      </NameList>
    </DestAddrGrpInfo>
  </IPv6DestAddrGrpInfo>
</SecurityPolicies>
```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv6DestAddrGrpInfo
Table type	Multi-instance table
Row name	DestAddrGrpInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence number	Index	Unassigned integer. Value range: 0 to 1024.
NameList	Name of the	Data structure	Members include:

	destination address group list		<ul style="list-style-type: none"> Name. Status
Name	Name of the destination address group	N/A	String, case-insensitive. Length: 1 to 31 characters.
Status	Status of the destination address group.	N/A	Boolean: <ul style="list-style-type: none"> true—Effective. false—Not effective.

SecurityPolicies/IPv4ServGrpInfo

This table contains service object group information for an IPv4 security policy rule that is redundant or has a redundant rule.

XML structure

```

<SecurityPolicies>
  <IPv4ServGrpInfo>
    <ServGrpInfo>
      <ID></ID>
      <SeqNum></SeqNum>
      <NameList>
        <Name></Name>
        <Status></Status>
      </NameList>
    </ServGrpInfo>
  </IPv4ServGrpInfo>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv4ServGrpInfo
Table type	Multi-instance table
Row name	ServGrpInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer.

			Value range: 0 to 65534.
SeqNum	Sequence number	Index	Unassigned integer. Value range: 0 to 1024.
NameList	Name of the service object group list	Data structure	Members include: <ul style="list-style-type: none"> Name Status
Name	Name of the service object group	N/A	String, case-insensitive. Length: 1 to 31 characters.
Status	Status of the service object group	N/A	Boolean: <ul style="list-style-type: none"> true—Effective. false—Not effective.

SecurityPolicies/IPv6ServGrpInfo

This table contains service object group information for an IPv6 security policy rule that is redundant or has a redundant rule.

XML structure

```

<SecurityPolicies>
  <IPv6ServGrpInfo>
    <ServGrpInfo>
      <ID></ID>
      <SeqNum></SeqNum>
      <NameList>
        <Name></Name>
        <Status></Status>
      </NameList>
    </ServGrpInfo>
  </IPv6ServGrpInfo>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv6ServGrpInfo
Table type	Multi-instance table
Row name	ServGrpInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence number	Index	Unassigned integer. Value range: 0 to 1024.
NameList	Name of the service object group list	Data structure	Members include: <ul style="list-style-type: none">NameStatus
Name	Name of the service object group	N/A	String, case-insensitive. Length: 1 to 31 characters.
Status	Status of the service object group	N/A	Boolean: <ul style="list-style-type: none">true—Effective.false—Not effective.

SecurityPolicies/IPv4AppInfo

This table contains application information for an IPv4 security policy rule that is redundant or has a redundant rule.

XML structure

```
<SecurityPolicies>
  <IPv4AppInfo>
    <AppInfo>
      <ID></ID>
      <SeqNum></SeqNum>
      <NameList>
        <Name></Name>
        <Status></Status>
      </NameList>
    </AppInfo>
  </IPv4AppInfo>
</SecurityPolicies>
```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv4AppInfo
Table type	Multi-instance table

Row name	AppInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence number	Index	Unassigned integer. Value range: 0 to 1024.
NameList	Name of the application list	Data structure	Members include: <ul style="list-style-type: none"> Name Status
Name	Name of the application	N/A	String, case-insensitive. Length: 1 to 63 characters.
Status	Status of the application	N/A	Boolean: <ul style="list-style-type: none"> true—Effective. false—Not effective.

SecurityPolicies/IPv6AppInfo

This table contains application information for an IPv6 security policy rule that is redundant or has a redundant rule.

XML structure

```

<SecurityPolicies>
  <IPv6AppInfo>
    <AppInfo>
      <ID></ID>
      <SeqNum></SeqNum>
      <NameList>
        <Name></Name>
        <Status></Status>
      </NameList>
    </AppInfo>
  </IPv6AppInfo>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv6AppInfo
Table type	Multi-instance table
Row name	AppInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence number	Index	Unassigned integer. Value range: 0 to 1024.
NameList	Name of the application list	Data structure	Members include: <ul style="list-style-type: none">NameStatus
Name	Name of the application	N/A	String, case-insensitive. Length: 1 to 63 characters.
Status	Status of the application.	N/A	Boolean: <ul style="list-style-type: none">true—Effective.false—Not effective.

SecurityPolicies/IPv4AppGrpInfo

This table contains application group information for an IPv4 security policy rule that is redundant or has a redundant rule.

XML structure

```
<SecurityPolicies>
  <IPv4AppGrpInfo>
    <AppGrpInfo>
      <ID></ID>
      <SeqNum></SeqNum>
      <NameList>
        <Name></Name>
        <Status></Status>
```

```

    </NameList>
  </AppGrpInfo>
</IPv4AppGrpInfo>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv4AppGrpInfo
Table type	Multi-instance table
Row name	AppGrpInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence number	Index	Unassigned integer. Value range: 0 to 1024.
NameList	Name of the application group list	Data structure	Members include: <ul style="list-style-type: none"> Name Status
Name	Name of the application group	N/A	String, case-insensitive. Length: 1 to 63 characters.
Status	Status of the application group.	N/A	Boolean: <ul style="list-style-type: none"> true—Effective. false—Not effective.

SecurityPolicies/IPv6AppGrpInfo

This table contains application group information for an IPv6 security policy rule that is redundant or has a redundant rule.

XML structure

```

<SecurityPolicies>
  <IPv6AppGrpInfo>
    <AppGrpInfo>

```

```

<ID></ID>
<SeqNum></SeqNum>
<NameList>
  <Name></Name>
  <Status></Status>
</NameList>
</AppGrpInfo>
</IPv6AppGrpInfo>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv6AppGrpInfo
Table type	Multi-instance table
Row name	AppGrpInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence number	Index	Unassigned integer. Value range: 0 to 1024.
NameList	Name of the application group list	Data structure	Members include: <ul style="list-style-type: none"> Name Status
Name	Name of the application group	N/A	String, case-insensitive. Length: 1 to 63 characters.
Status	Status of the application group.	N/A	Boolean: <ul style="list-style-type: none"> true—Effective. false—Not effective.

SecurityPolicies/IPv4UserInfo

This table contains user information for an IPv4 security policy rule that is redundant or has a redundant rule.

XML structure

```
<SecurityPolicies>
  <IPv4UserInfo>
    <UserInfo>
      <ID></ID>
      <SeqNum></SeqNum>
      <NameList>
        <Name></Name>
        <Status></Status>
      </NameList>
    </UserInfo>
  </IPv4UserInfo>
</SecurityPolicies>
```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv4UserInfo
Table type	Multi-instance table
Row name	UserInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence number	Index	Unassigned integer. Value range: 1 to 1024.
NameList	Name of the user list	Data structure	Members include: <ul style="list-style-type: none">NameStatus
Name	Name of the user.	N/A	String, case-sensitive. Form: user-name, user-name@domain-name. User name length: 1 to 55 characters. Domain name length: 1 to 255 characters.
Status	Status of the user.	N/A	Boolean: <ul style="list-style-type: none">true—Effective.false—Not effective.

SecurityPolicies/IPv6UserInfo

This table contains user information for an IPv6 security policy rule that is redundant or has a redundant rule.

XML structure

```
<SecurityPolicies>
  <IPv6UserInfo>
    <UserInfo>
      <ID></ID>
      <SeqNum></SeqNum>
      <NameList>
        <Name></Name>
        <Status></Status>
      </NameList>
    </UserInfo>
  </IPv6UserInfo>
</SecurityPolicies>
```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv6UserInfo
Table type	Multi-instance table
Row name	UserInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence number	Index	Unassigned integer. Value range: 1 to 1024.
NameList	Name of the user list	Data structure	Members include: <ul style="list-style-type: none">Name.Status.
Name	Name of the user	N/A	String, case-sensitive. Form: user-name, user-name@domain-name. User name length: 1 to 55 characters.

			Domain name length: 1 to 255 characters.
Status	Status of the user	N/A	Boolean: <ul style="list-style-type: none"> true—Effective. false—Not effective.

SecurityPolicies/IPv4UserGrpInfo

This table shows user group information for an IPv4 security policy rule that is redundant or has a redundant rule.

XML structure

```

<SecurityPolicies>
  <IPv4UserGrpInfo>
    <UserGrpInfo>
      <ID></ID>
      <SeqNum></SeqNum>
      <UserGrpList>
        <Name></Name>
        <Status></Status>
      </UserGrpList>
    </UserGrpInfo>
  </IPv4UserGrpInfo>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv4UserGrpInfo
Table type	Multi-instance table
Row name	UserGrpInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence number	Index	Unassigned integer. Value range: 1 to 1024.

UserGrpList	Name of the user group list	Data structure	Members include: <ul style="list-style-type: none"> Name. Status
Name	Name of the user group	N/A	String, case-insensitive. Form: user-group-name, user-group-name@domain-name. Group name length: 1 to 32 characters. Domain name length: 1 to 255 characters. If you want to contain a backslash (\) or an at sign (@) in the user group name, you must enter the escape character (\) before the backslash (\) or at sign (@).
Status	Status of the user group.	N/A	Boolean: <ul style="list-style-type: none"> true—Effective. false—Not effective.

SecurityPolicies/IPv6UserGrpInfo

This table shows user group information for an IPv6 security policy rule that is redundant or has a redundant rule.

XML structure

```

<SecurityPolicies>
  <IPv6UserGrpInfo>
    <UserGrpInfo>
      <ID></ID>
      <SeqNum></SeqNum>
      <UserGrpList>
        <Name></Name>
        <Status></Status>
      </UserGrpList>
    </UserGrpInfo>
  </IPv6UserGrpInfo>
</SecurityPolicies>

```

Table description

Item	Description
Feature name	SecurityPolicies
Table name	IPv6UserGrpInfo
Table type	Multi-instance table
Row name	UserGrpInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ID	Rule ID	Index	Unassigned integer. Value range: 0 to 65534.
SeqNum	Sequence number	Index	Unassigned integer. Value range: 1 to 1024.
UserGrpList	Name of the user group list	Data structure	Members include: <ul style="list-style-type: none"> Name. Status
Name	Name of the user group	N/A	String, case-insensitive. Form: user-group-name, user-group-name@domain-name. Group name length: 1 to 32 characters. Domain name length: 1 to 255 characters. If you want to contain a backslash (\) or an at sign (@) in the user group name, you must enter the escape character (\) before the backslash (\) or at sign (@).
Status	Status of the user group.	N/A	Boolean: <ul style="list-style-type: none"> true—Effective. false—Not effective.

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SFLOW

SFLOW/sFlowCollector

This table contains SFLOW collector configuration information.

XML structure

```
<SFLOW>
  <sFlowCollector>
    <Collector>
      <CollectorID></CollectorID>
      <VRF></VRF>
      <IpAddress></IpAddress>
      <Port></Port>
      <MaxDatagramSize></MaxDatagramSize>
      <Timeout></Timeout>
      <Description></Description>
    </Collector>
  </sFlowCollector>
</SFLOW>
```

Table description

Item	Description
Feature name	SFLOW
Table name	sFlowCollector
Table type	Multi-instance table
Row name	Collector
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
CollectorID	Collector-id	Index	Unsigned integer. Value range: 1 to MaxCollectorID.	The value of MaxCollectorID depends on the device model.
VRF	VRF instance name	N/A	String, case sensitive. Length: 1 to 31 characters.	If the SFLOW host is on the public network, the length of characters is 0.
IpAddress	The IPv4address or IPv6address of sFlow Collector	N/A	String, dotted decimal notation or Hexadecimal string, colon-separated.	For the create and replace operations, IpAddress must be configured. For the merge operation, IpAddress must be configured only when the instance is not exist. For the delete and remove operations, IpAddress cannot be configured.
Port	UDP port of sFlow Collector	N/A	Unsigned integer. Value range: 1 to 65535. Default: 6343.	N/A
MaxDatagramSize	The max size of sFlow datagram	N/A	Unsigned integer. Value range: 200 to 3000. Default: 1400.	N/A
Timeout	The agetime of sFlow Collector	N/A	Unsigned integer. Value range: 0 to 2147483647. Default: 0.	0 means the instance is static.

Column name	Column description	Column type	Data type and restrictions	Remarks
Description	Description of sFlow Collector	N/A	String, case insensitive. Length: 1 to 127 characters.	For the create and replace operations, Description must be configured. For the merge operation, Description must be configured only when the instance is not exist.

SFLOW/sFlowFlowSampler

This table contains SFLOW sampler configuration information.

XML structure

```

<SFLOW>
  <sFlowFlowSampler>
    <FlowSampler>
      <IfIndex></IfIndex>
      <CollectorID></CollectorID>
      <PacketSamplingRate></PacketSamplingRate>
      <SamplingMode></SamplingMode>
      <MaxHeaderSize></MaxHeaderSize>
    </FlowSampler>
  </sFlowFlowSampler>
</SFLOW>

```

Table description

Item	Description
Feature name	SFLOW
Table name	sFlowFlowSampler
Table type	Multi-instance table
Row name	FlowSampler
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	<p>Layer 2 Ethernet interface</p> <p>Layer 3 Ethernet interface</p> <p>Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in Ifmgr NETCONF XML API Configuration Reference.</p>
CollectorID	Collector-id	N/A	<p>Unsigned integer.</p> <p>Value range: 1 to MaxCollectorID.</p>	The value of MaxCollectorID depends on the device model.
PacketSamplingRate	sflow sampling-rate	N/A	<p>Unsigned integer.</p> <p>Value range: MinSamplerRate to MaxSamplerRate.</p>	Values of MinSamplerRate and MaxSamplerRate depend on the device model.
SamplingMode	SamplingMode of SFLOW	N/A	<p>Unsigned integer.</p> <ul style="list-style-type: none"> 1—random . 2—determine 	The default value of SamplingMode depends on the device model.
MaxHeaderSize	Maximum number of bytes that can be copied	N/A	<p>Unsigned integer.</p> <p>Value range: 18 to 512.</p> <p>Default: 128</p>	N/A

SFLOW/sFlowCounterSampler

This table contains SFLOW counter sampler configuration information.

XML structure

```
<SFLOW>
  <sFlowCounterSampler>
    <CounterSampler>
      <IfIndex></IfIndex>
      <CollectorID></CollectorID>
      <Interval></Interval>
    </CounterSampler>
  </sFlowCounterSampler>
</SFLOW>
```

Table description

Item	Description
Feature name	SFLOW
Table name	sFlowCounterSampler
Table type	Multi-instance table
Row name	CounterSampler
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Layer 2 Ethernet interface. Layer 3 Ethernet interface. Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see IfMgr in Ifmgr NETCONF XML API Configuration Reference.
CollectorID	Collector-id	N/A	Unsigned integer. Value range: 1 to MaxCollectorID.	The value of MaxCollectorID depends on the device model.
Interval	The interval of counter sampling	N/A	Unsigned integer. Value range: 2 to 86400.	Counter sampling is disabled as default.

SFLOW/sFlowConfig

This table contains SFLOW config configuration information.

XML structure

```

<SFLOW>
  <sFlowConfig>
    <AgentIpAddress></AgentIpAddress>
    <SourceIpv4Address></SourceIpv4Address>
    <SourceIpv6Address></SourceIpv6Address>
  </sFlowConfig>
</SFLOW>

```


Table description

Item	Description
Feature name	SFLOW
Table name	sFlowAgent
Table type	Single-instance table
Row name	N/A
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
AgentIpAddress	The IPv4address or IPv6address of sFlow agent	N/A	String, dotted decimal notation or Hexadecimal string, colon-separated.
SourceIpv4Address	The IPv4address of sFlow source	N/A	String, dotted decimal notation or Hexadecimal string, colon-separated.
SourceIpv6Address	The IPv6address of sFlow source	N/A	String, dotted decimal notation or Hexadecimal string, colon-separated.

SFLOW/sFlowFlowInstance

This table contains sFlow flow instance configuration information.

XML structure

```
<SFLOW>
  <sFlowFlowInstance>
    <FlowInstance>
      <IfIndex></IfIndex>
      <Instance></Instance>
    </FlowInstance>
  </sFlowFlowInstance>
</SFLOW>
```

```

    <CollectorID></CollectorID>
    <PacketSamplingRate></PacketSamplingRate>
    <SamplingMode></SamplingMode>
    <MaxHeaderSize></MaxHeaderSize>
  </FlowInstance>
</sFlowFlowInstance>
</SFLOW>

```

Table description

Item	Description
Feature name	SFLOW
Table name	sFlowFlowInstance
Table type	Multi-instance table
Row name	FlowInstance
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	<p>Layer 2 Ethernet interfaces and Layer 3 Ethernet interfaces are supported.</p> <p>Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in Ifmg NETCONF XML API Configuration Reference.</p>

Column name	Column description	Column type	Data type and restrictions	Remarks
Instance	sFlow instance ID	Index	Unsigned integer. Value range: 1 to 4.	N/A
CollectorID	Collector ID	N/A	Unsigned integer. Value range: 1 to MaxCollectorID.	The value of MaxCollectorID varies by device model.
PacketSamplingRate	Flow sampling rate	N/A	Unsigned integer. Value range: MinSamplerRate to MaxSamplerRate.	Values of MinSamplerRate and MaxSamplerRate vary by device model.
SamplingMode	Flow sampling mode	N/A	Unsigned integer. <ul style="list-style-type: none"> 1—random. 2—determine. 	The default value of SamplingMode varies by device model.
MaxHeaderSize	Maximum number of bytes that can be copied	N/A	Unsigned integer. Value range: 18 to 512. Default: 128	N/A

SFLOW/sFlowCounterInstance

This table contains SFLOW counter instance configuration information.

XML structure

```

<SFLOW>
  <sFlowCounterInstance>
    <CounterInstance>
      <IfIndex></IfIndex>
      <Instance></Instance>
      <CollectorID></CollectorID>
      <Interval></Interval>
    </CounterInstance>
  </sFlowCounterInstance>
</SFLOW>

```

Table description

Item	Description
Feature name	SFLOW
Table name	sFlowCounterInstance
Table type	Multi-instance table
Row name	CounterInstance
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Layer 2 Ethernet interfaces and Layer 3 Ethernet interfaces are supported. Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in Ifmgr NETCONF XML API Configuration Reference.
Instance	sFlow instance ID	Index	Unsigned integer. Value range: 1 to 4.	N/A
CollectorID	Collector ID	N/A	Unsigned integer. Value range: 1 to MaxCollectorID.	The value of MaxCollectorID varies by device model.

Column name	Column description	Column type	Data type and restrictions	Remarks
Interval	Counter sampling interval	N/A	Unsigned integer. Value range: 2 to 86400.	Counter sampling is disabled by default.

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XML structure.....	7
Table description.....	8
Columns.....	8
SFLOW/sFlowCounterInstance.....	9
XML structure.....	9
Table description.....	9
Columns.....	10

SFLOW

SFLOW/sFlowCollector

This table contains SFLOW collector configuration information.

XML structure

```
<SFLOW>
  <sFlowCollector>
    <Collector>
      <CollectorID></CollectorID>
      <VRF></VRF>
      <IpAddress></IpAddress>
      <Port></Port>
      <MaxDatagramSize></MaxDatagramSize>
      <Timeout></Timeout>
      <AgeTime></AgeTime>
      <Description></Description>
    </Collector>
  </sFlowCollector>
</SFLOW>
```

Table description

Item	Description
Feature name	SFLOW
Table name	sFlowCollector
Table type	Multi-instance table
Row name	Collector
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
CollectorID	Collector-id	Index	Unsigned integer. Value range: 1 to MaxCollectorID.	The value of MaxCollectorID depends on the device model.
VRF	VRF instance name	N/A	String, case sensitive. Length: 1 to 31 characters.	If the SFLOW host is on the public network, the length of characters is 0.
IpAddress	The IPv4address or IPv6address of sFlow Collector	N/A	String, dotted decimal notation or Hexadecimal string, colon-separated.	N/A
Port	UDP port of sFlow Collector	N/A	Unsigned integer. Value range: 1 to 65535.	N/A
MaxDatagramSize	The max size of sFlow datagram	N/A	Unsigned integer. Value range: 200 to 3000.	N/A
Timeout	The age time of sFlow Collector	N/A	Unsigned integer. Value range: 0 to 2147483647.	0 means the instance is static.
AgeTime	The remaining aging time of sFlow Collector	N/A	Unsigned integer. Value range: 0 to 2147483647.	N/A
Description	Description of sFlow Collector	N/A	String, case insensitive. Length: 1 to 127 characters.	N/A

SFLOW/sFlowFlowSampler

This table contains SFLOW sampler configuration information.

XML structure

```
<SFLOW>
  <sFlowFlowSampler>
```



```

<FlowSampler>
  <IfIndex></IfIndex>
  <CollectorID></CollectorID>
  <PacketSamplingRate></PacketSamplingRate>
  <SamplingMode></SamplingMode>
  <MaxHeaderSize></MaxHeaderSize>
  <Status></Status>
</FlowSampler>
</sFlowFlowSampler>
</SFLOW>

```

Table description

Item	Description
Feature name	SFLOW
Table name	sFlowFlowSampler
Table type	Multi-instance table
Row name	FlowSampler
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Layer 2 Ethernet interface Layer 3 Ethernet interface
CollectorID	Collector-id	N/A	Unsigned integer. Value range: 1 to MaxCollectorID.	The value of MaxCollectorID depends on the device model.
PacketSamplingRate	sflow sampling-rate	N/A	Unsigned integer. Value range: MinSamplerRate to MaxSamplerRate.	The values of MinSamplerRate and MaxSamplerRate depend on the device model.

Column name	Column description	Column type	Data type and restrictions	Remarks
SamplingMode	SamplingMode of SFLOW	N/A	Unsigned integer. <ul style="list-style-type: none"> 1—random . 2—determine 	The default value of SamplingMode depends on the device model.
MaxHeaderSize	Maximum number of bytes that can be copied	N/A	Unsigned integer. Value range: 18 to 512. Default: 128	N/A
Status	Status of SFLOW	N/A	Unsigned integer. <ul style="list-style-type: none"> 0—Suspended. 1—Active 	N/A

SFLOW/sFlowCounterSampler

This table contains SFLOW counter sampler configuration information.

XML structure

```

<SFLOW>
  <sFlowCounterSampler>
    <CounterSampler>
      <IfIndex></IfIndex>
      <CollectorID></CollectorID>
      <Interval></Interval>
      <Status></Status>
    </CounterSampler>
  </sFlowCounterSampler>
</SFLOW>

```

Table description

Item	Description
Feature name	SFLOW
Table name	sFlowCounterSampler
Table type	Multi-instance table
Row name	CounterSampler
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Ifindex	Interface index	Index	Unsigned integer.	Layer 2 Ethernet interface. Layer 3 Ethernet interface.
CollectorID	Collector-id	N/A	Unsigned integer. Value range: 1 to MaxCollectorID.	The value of MaxCollectorID depends on the device model.
Interval	The interval of counter sampling	N/A	Unsigned integer. Value range: 2 to 86400.	Counter sampling is disabled as default.
Status	Status of SFLOW	N/A	Unsigned integer. <ul style="list-style-type: none">0—Suspended.1—Active	N/A

SFLOW/sFlowConfig

This table contains SFLOW config configuration information.

XML structure

```
<SFLOW>
  <sFlowConfig>
    <AgentIpAddress></AgentIpAddress>
    <SourceIpv4Address></SourceIpv4Address>
    <SourceIpv6Address></SourceIpv6Address>
  </sFlowConfig>
</SFLOW>
```

Table description

Item	Description
Feature name	SFLOW
Table name	sFlowAgent

Table type	Single-instance table
Row name	N/A
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
AgentIpAddress	The IPv4address or IPv6address of sFlow agent	N/A	String, dotted decimal notation or Hexadecimal string, colon-separated.
SourceIpV4Address	The IPv4address of sFlow source	N/A	String, dotted decimal notation or Hexadecimal string, colon-separated.
SourceIpV6Address	The IPv6address of sFlow source	N/A	String, dotted decimal notation or Hexadecimal string, colon-separated.

SFLOW/sFlowSpecification

This table contains SFLOW specification information.

XML structure

```

<SFLOW>
  <sFlowSpecification>
    <MaxCollectorID></MaxCollectorID>
    <MinSamplerRate></MinSamplerRate>
    <MaxSamplerRate></MaxSamplerRate>
    <DefaultSamplerMode></DefaultSamplerMode>
  </sFlowSpecification>
</SFLOW>

```

Table description

Item	Description
Feature name	SFLOW
Table name	sFlowSpecification
Table type	Single-instance table
Row name	N/A
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
MaxCollectorID	The maximum of CollectorID.	N/A	Unsigned integer.
MinSamplerRate	The minimum of samplerRate.	N/A	Unsigned integer.
MaxSamplerRate	The maximum of SamplerRate.	N/A	Unsigned integer.
DefaultSamplerMode	The default of SamplerMode	N/A	Unsigned integer.

SFLOW/sFlowFlowInstance

This table contains sFlow flow instance configuration information.

XML structure

```
<SFLOW>
  <sFlowFlowInstance>
    <FlowInstance>
      <IfIndex></IfIndex>
      <Instance></Instance>
      <CollectorID></CollectorID>
      <PacketSamplingRate></PacketSamplingRate>
      <SamplingMode></SamplingMode>
      <MaxHeaderSize></MaxHeaderSize>
      <Status></Status>
    </FlowInstance>
  </sFlowFlowInstance>
</SFLOW>
```

Table description

Item	Description
Feature name	SFLOW
Table name	sFlowFlowInstance
Table type	Multi-instance table
Row name	FlowInstance
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	<p>Layer 2 Ethernet interfaces and Layer 3 Ethernet interfaces are supported.</p> <p>Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in Ifmgr NETCONF XML API Configuration Reference.</p>
Instance	sFlow instance ID	Index	Unsigned integer. Value range: 1 to 4.	N/A
CollectorID	Collector ID	N/A	Unsigned integer. Value range: 1 to MaxCollectorID.	The value of MaxCollectorID varies by device model.

Column name	Column description	Column type	Data type and restrictions	Remarks
PacketSamplingRate	Flow sampling rate	N/A	Unsigned integer. Value range: MinSamplerRate to MaxSamplerRate.	The values of MinSamplerRate and MaxSamplerRate vary by device model.
SamplingMode	Flow sampling mode	N/A	Unsigned integer. <ul style="list-style-type: none"> 1—random. 2—determine. 	The default value of SamplingMode varies by device model.
MaxHeaderSize	Maximum number of bytes that can be copied	N/A	Unsigned integer. Value range: 18 to 512. Default: 128	N/A
Status	Status of sFlow	N/A	Unsigned integer. <ul style="list-style-type: none"> 0—Suspended. 1—Active. 	N/A

SFLOW/sFlowCounterInstance

This table contains sFlow counter instance configuration information.

XML structure

```

<SFLOW>
  <sFlowCounterInstance>
    <CounterInstance>
      <IfIndex></IfIndex>
      <Instance></Instance>
      <CollectorID></CollectorID>
      <Interval></Interval>      <Status></Status>
    </CounterInstance>
  </sFlowCounterInstance>
</SFLOW>

```

Table description

Item	Description
Feature name	SFLOW

Table name	sFlowCounterInstance
Table type	Multi-instance table
Row name	CounterInstance
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Ifindex	Interface index	Index	Unsigned integer.	Layer 2 Ethernet interfaces and Layer 3 Ethernet interfaces are supported. Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in Ifmgr NETCONF XML API Configuration Reference.
Instance	sFlow instance ID	Index	Unsigned integer. Value range: 1 to 4.	N/A
CollectorID	Collector ID	N/A	Unsigned integer. Value range: 1 to MaxCollectorID.	The value of MaxCollectorID varies by device model.
Interval	Counter sampling interval	N/A	Unsigned integer. Value range: 2 to 86400.	Counter sampling is disabled by default.
Status	Status of sFlow	N/A	Unsigned integer. <ul style="list-style-type: none"> 0—Suspended. 1—Active. 	N/A

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SSLVPN

SSLVPN/Gateways

This table contains SSL VPN gateway configuration information.

XML structure

```
<SSLVPN>
  <Gateways>
    <Gateway>
      <Name></Name>
      <AddressType></AddressType>
      <Ipv4Address></Ipv4Address>
      <Ipv6Address></Ipv6Address>
      <PortNumber></PortNumber>
      <VRF></VRF>
      <SSLServerPolicy></SSLServerPolicy>
      <HTTPRedirect></HTTPRedirect>
      <RedirectPort></RedirectPort>
      <Enable></Enable>
    </Gateway>
  </Gateways>
</SSLVPN>
```

Table description

Item	Description
Feature name	SSLVPN
Table name	Gateways
Table type	Multi-instance table
Row name	Gateway
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	SSL VPN gateway name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			letters, digits, and underscores (_).	
AddressType	Whether the SSL VPN gateway address is an IPv6 address	N/A	Boolean: <ul style="list-style-type: none"> false—IPv4. true—IPv6. 	N/A
Ipv4Address	IPv4 address of the SSL VPN gateway	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
Ipv6Address	IPv6 address of the SSL VPN gateway	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.
PortNumber	Port number of the SSL VPN gateway	N/A	Unsigned integer. Value range: 443, 1025 to 65535. Default: 443.	N/A
VRF	Name of the VRF instance associated with the SSL VPN gateway	N/A	String. Length: 0 to 31 characters.	If the gateway is on the public network, the length of characters is 0.
SSLServerPolicy	Name of the SSL server policy used by the SSL VPN gateway	N/A	String, case insensitive. Length: 1 to 31 characters.	By default, no SSL server policy is used by the SSL VPN gateway.
HTTPRedirect	Whether HTTP traffic is redirected	N/A	Boolean: <ul style="list-style-type: none"> true—Redirected. false—Not redirected. 	N/A
RedirectPort	Port number of the redirected HTTP traffic	N/A	Unsigned integer. Value range: 80, 1025 to 65535. Default: 80.	N/A
Enable	Whether the SSL VPN gateway is enabled	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled (default). 	N/A

SSLVPN/Contexts

This table contains SSL VPN context configuration information.

XML structure

```

<SSLVPN>
  <Contexts>
    <Context>
      <Name></Name>
      <Gateway>

```

```

    <Name></Name>
    <AccessType></AccessType>
    <Domain></Domain>
    <VirtualHost></VirtualHost>
</Gateway>
<VRF></VRF>
<MaxUsers></MaxUsers>
<IdleTimeout></IdleTimeout>
<AAADomain></AAADomain>
<EMOServer>
    <Address></Address>
    <PortNumber></PortNumber>
</EMOServer>
<DefaultPolicyGroup></DefaultPolicyGroup>
<Enable></Enable>
</Context>
</Contexts>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	Contexts
Table type	Multi-instance table
Row name	Context
Restrictions	The Contexts table does not support multiple links. Tables ContextGateways and contexts_v2 are added to support multiple links, and new features are added in the these two tables. The Contexts table is included only for compatibility. No new features will be added to this table. Use new tables ContextGateway and contexts_v2 instead of this table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
Gateway	Associated gateway	Data structure	Members include: <ul style="list-style-type: none"> Name. AccessType. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> Domain. VirtualHost. 	
Name	Associated gateway name	N/A	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
AccessType	Gateway access method	N/A	Enumeration: <ul style="list-style-type: none"> 1—domain. 2—virtual host. 	N/A
Domain	Domain specified for the associated gateway	N/A	String, case insensitive. Length: 1 to 127 characters. The string can contain only letters, digits, hyphens (-), and underscores (_).	N/A
VirtualHost	Virtual host specified for the associated gateway	N/A	String, case insensitive. Length: 1 to 127 characters. The string can contain only letters, digits, hyphens (-), underscores (_), and dots (.).	N/A
VRF	Name of the VRF instance associated with the SSL VPN context	N/A	String. Length: 0 to 31 characters.	If the context is on the public network, the length of characters is 0.
MaxUsers	Maximum number of SSL VPN user connections	N/A	Unsigned integer. Value range: 1 to 1048575.	N/A
IdleTimeout	User connection idle timeout time	N/A	Unsigned integer. Value range: 1 to 1440, in minutes. Default: 30 minutes.	N/A
AAADomain	SSL VPN context AAA domain	N/A	String, case insensitive. Length: 1 to 255 characters. The string cannot contain the following characters: / \ " : * ? < > @ The string cannot be any of the following values: d, de, def, defa, defau, default, default, i, if, if-, if-u, if-un, if-unk, if-unkn, if-unkno, if-unknow, or if-unknown.	N/A
EMOServer	EMO server	Data structure	Members include: <ul style="list-style-type: none"> Address. PortNumber. 	N/A
Address	IPv4 address or host name of the	N/A	IPv4 address: String, dotted decimal notation.	IPv4 address example: 1.1.1.1.

Column name	Column description	Column type	Data type and restrictions	Remarks
	EMO server		Host name: String, case insensitive. Length: 1 to 127 characters. The string can contain only letters, digits, hyphens (-), underscores (_), and dots (.).	Host name example: www.example.com.
PortNumber	Port number of the EMO server	N/A	Unsigned integer. Value range: 1025 to 65535.	N/A
DefaultPolicy Group	Default policy group	N/A	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.	N/A
Enable	Whether the SSL VPN context is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled (default). 	N/A

SSLVPN/Contexts_v2

This table contains SSL VPN context_v2 configuration information.

XML structure

```

<SSLVPN>
  <Contexts_v2>
    <Context_v2>
      <Name></Name>
      <VRF></VRF>
      <MaxUsers></MaxUsers>
      <IdleTimeout></IdleTimeout>
      <TrafficThreshold></TrafficThreshold>
      <AAADomain></AAADomain>
      <EMOServer>
        <Address></Address>
        <PortNumber></PortNumber>
      </EMOServer>
      <MessageServer>
        <Address></Address>
        <PortNumber></PortNumber>
      </MessageServer>
      <SmsImcServer>
        <Address></Address>
        <PortNumber></PortNumber>
        <VRF></VRF>
      </SmsImcServer>
    </Context_v2>
  </Contexts_v2>
</SSLVPN>

```

```

    <DefaultPolicyGroup></DefaultPolicyGroup>
    <SSLClientPolicy></SSLClientPolicy>
    <Enable></Enable>
  </Context_v2>
</Contexts_v2>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	Contexts_v2
Table type	Multi-instance table
Row name	Context_v2
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
VRF	Name of the VRF instance associated with the SSL VPN context	N/A	String. Length: 0 to 31 characters.	If the context is on the public network, the length of characters is 0.
MaxUsers	Maximum number of SSL VPN user connections	N/A	Unsigned integer. Value range: 1 to 1048575.	N/A
IdleTimeout	User connection idle timeout time	N/A	Unsigned integer. Value range: 1 to 1440, in minutes. Default: 30 minutes.	N/A
TrafficThresh old	Set the minimum traffic to avoid idle-cut	N/A	Unsigned integer. Value range: 1 to 4294967295.	N/A
AAADomain	SSL VPN context AAA domain	N/A	String, case insensitive. Length: 1 to 255 characters. The string cannot contain the following characters:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			/\ ":*?<>@ The string cannot be any of the following values: d, de, def, defa, defau, default, default, i, if, if-, if-u, if-un, if-unk, if-unkn, if-unkno, if-unknow, or if-unknown.	
EMOServer	EMO server	Data structure	Members include: <ul style="list-style-type: none"> Address. PortNumber. 	N/A
Address	IPv4 address or host name of the EMO server	N/A	IPv4 address: String, dotted decimal notation. Host name: String, case insensitive. Length: 1 to 127 characters. The string can contain only letters, digits, hyphens (-), underscores (_), and dots (.).	IPv4 address example: 1.1.1.1. Host name example: www.example.com.
PortNumber	Port number of the EMO server	N/A	Unsigned integer. Value range: 1025 to 65535.	N/A
MessageServer	Message server	Data structure	Members include: <ul style="list-style-type: none"> Address. PortNumber. 	N/A
Address	IPv4 address or host name of the Message server	N/A	IPv4 address: String, dotted decimal notation. Host name: String, case insensitive. Length: 1 to 127 characters. The string can contain only letters, digits, hyphens (-), underscores (_), and dots (.).	IPv4 address example: 1.1.1.1. Host name example: www.example.com.
PortNumber	Port number of the Message server	N/A	Unsigned integer. Value range: 1025 to 65535.	N/A
SmsImcServer	Short Message Service of IMC server	Data structure	Members include: <ul style="list-style-type: none"> Address. PortNumber. 	New feature, not compatible with the old table.
Address	IPv4 address of the IMC server	N/A	String, dotted decimal notation.	New feature, not compatible with the old table. Example: 1.1.1.1.
PortNumber	Port number of the IMC server	N/A	Unsigned integer. Value range: 1 to 65535.	New feature, not compatible with the old table.
VRF	Name of the VRF instance associated with the IMC server	N/A	String: Length: 0 to 31 characters.	If the IMC server is on the public network, the length of characters is 0.
SmsImc	Whether the SMS-IMC	N/A	Boolean:	New feature, not compatible with the old

Column name	Column description	Column type	Data type and restrictions	Remarks
	message authentication of the SSL VPN context is enabled.		<ul style="list-style-type: none"> true—Enabled. false—Disabled (default). 	table.
DefaultPolicy Group	Default policy group	N/A	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.	N/A
SSLClientPolicy	Name of the SSL client policy used by the SSL VPN context	N/A	String, case insensitive. Length: 1 to 31 characters.	New feature, not compatible with the old table.
Enable	Whether the SSL VPN context is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled (default). 	N/A

SSLVPN/ContextGateways

This table contains information about the SSL VPN gateway associated with the [context](#).

XML structure

```

<SSLVPN>
  <ContextGateways>
    <ContextGateway>
      <ContextName></ContextName>
      <GatewayName></GatewayName>
      <AccessType></AccessType>
      <Domain></Domain>
      <VirtualHost></VirtualHost>
    </ContextGateway>
  </ContextGateways>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	ContextGateways
Table type	Multi-instance table
Row name	ContextGateway
Restrictions	None

Support for row creation and deletion	Yes
---------------------------------------	-----

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
GatewayName	Associated gateway name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
AccessType	Gateway access method	N/A	Enumeration: <ul style="list-style-type: none"> 1—domain. 2—virtual host. 	N/A
Domain	Domain specified for the associated gateway	N/A	String, case insensitive. Length: 1 to 127 characters. The string can contain only letters, digits, hyphens (-), and underscores (_).	N/A
VirtualHost	Virtual host specified for the associated gateway	N/A	String, case insensitive. Length: 1 to 127 characters. The string can contain only letters, digits, hyphens (-), underscores (_), and dots (.).	N/A

SSLVPN/IpAcContexts

This table contains SSL VPN IP access configuration information for context.

XML structure

```

<SSLVPN>
  <IpAcContexts>
    <IpAcContext>
      <ContextName></ContextName>
      <AcIfIndex></AcIfIndex>
      <KeepAlive></KeepAlive>
      <Ipv4AddressPool>
        <Name></Name>
        <Ipv4PrefixLength></Ipv4PrefixLength>
      </Ipv4AddressPool>
      <DNSServer>

```

```

    <Primary></Primary>
    <Secondary></Secondary>
  </DNSServer>
  <WINSServer>
    <Primary></Primary>
    <Secondary></Secondary>
  </WINSServer>
  <ConnCloseLog></ConnCloseLog>
  <IPClientAutoActive></IPClientAutoActive>
  <WebResourceAutoPush></WebResourceAutoPush>
</IpAcContext>
</IpAcContexts>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	IpAcContexts
Table type	Multi-instance table
Row name	IpAcContext
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
AcIfIndex	Index of the referenced SSL VPN access interface	N/A	Unsigned integer.	N/A
KeepAlive	Keepalive interval	N/A	Unsigned integer. Value range: 0 to 600, in seconds. Default: 30 seconds.	N/A
Ipv4AddressPool	Referenced address pool	Data structure	Members include: <ul style="list-style-type: none"> Name. Ipv4PrefixLength. 	N/A
Name	SSL VPN IP	N/A	String, case insensitive.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	address pool name		Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.	
Ipv4PrefixLength	SSL VPN IPv4 address pool prefix length	N/A	Unsigned integer. Value range: 1 to 30.	N/A
DNSServer	DNS server	Data structure	Members include: <ul style="list-style-type: none"> Primary. Secondary. 	N/A
Primary	IPv4 address of primary DNS server	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
Secondary	IPv4 address of secondary DNS server	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
WINSServer	WINS server	Data structure	Members include: <ul style="list-style-type: none"> Primary. Secondary. 	N/A
Primary	IPv4 address of primary WINS server	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
Secondary	IPv4 address of secondary WINS server	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
ConnCloseLog	Whether IP access connection close logging of the SSL VPN context is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled (default). 	N/A
IPClientAutoActive	Whether automatically activate the IP access client after Web login.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled (default). 	N/A
WebResourceAutoPush	Whether automatically push Web resources after IP access client login.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled (default). 	N/A

SSLVPN/UISettings

This table contains SSL VPN context UI configuration information.

XML structure

```
<SSLVPN>
  <UISettings>
    <UISetting>
      <ContextName></ContextName>
      <VerifyCode></VerifyCode>
      <DPWD></DPWD>
      <DisplayLogo></DisplayLogo>
      <LogoFile></LogoFile>
      <LoginMsg>
        <English></English>
        <Chinese></Chinese>
      </LoginMsg>
      <Title>
        <English></English>
        <Chinese></Chinese>
      </Title>
      <CertificateAuthen></CertificateAuthen>
      <PasswordAuthen></PasswordAuthen>
      <AuthenUse></AuthenUse>
      <UserLog></UserLog>
      <ResourceLog></ResourceLog>
      <Filter></Filter>
      <Brief></Brief>
    </UISetting>
  </UISettings>
</SSLVPN>
```

Table description

Item	Description
Feature name	SSLVPN
Table name	UISettings
Table type	Multi-instance table
Row name	UISetting
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
ContextName	SSL VPN context name	Index	String, case insensitive.

Column name	Column description	Column type	Data type and restrictions
			Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
VerifyCode	Whether the verify code is enabled	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled (default).
DPWD	Whether the dynamic password is enabled	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled (default).
DisplayLogo	Whether the logo is displayed	N/A	Boolean: <ul style="list-style-type: none"> true—Displayed (default). false—Not displayed.
LogoFile	Logo file path	N/A	String, case insensitive. Length: 1 to 255 characters.
LoginMsg	Web login message	Data structure	Members include: <ul style="list-style-type: none"> English. Chinese.
English	English login message string	N/A	String. Length: 1 to 255 characters.
Chinese	Chinese login message string	N/A	String. Length: 1 to 255 characters.
Title	Web title	Data structure	Members include: <ul style="list-style-type: none"> English. Chinese.
English	English title string	N/A	String. Length: 1 to 255 characters.
Chinese	Chinese title string	N/A	String. Length: 1 to 255 characters.
CertificateAuthen	Whether certificate authentication of the SSL VPN context is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled (default).
ResourcerLog	Whether Resource logging of the SSL VPN context is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled (default).
Filter	Whether resource access log filtering is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled (default).
Brief	Whether brief logging for resource access	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled (default).

Column name	Column description	Column type	Data type and restrictions
	is enabled.		
UserLog	Whether user logging of the SSL VPN context is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled (default).
PasswordAuthen	Whether password authentication of the SSL VPN context is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled(default). false—Disabled.
AuthenUse	The authentication methods required for user login.	N/A	Enumeration: <ul style="list-style-type: none"> 0—all(default). 1—any-one.

SSLVPN/PortForwardLists

This table contains SSL VPN port forwarding list configuration information.

XML structure

```

<SSLVPN>
  <PortForwardLists>
    <PortForwardList>
      <ContextName></ContextName>
      <ListName></ListName>
    </PortForwardList>
  </PortForwardLists>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	PortForwardLists
Table type	Multi-instance table
Row name	PortForwardList
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
ListName	SSL VPN port forwarding list name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.

SSLVPN/PortForwardItems

This table contains SSL VPN port forwarding entry configuration information.

XML structure

```
<SSLVPN>
  <PortForwardItems>
    <PortForwardItem>
      <ContextName></ContextName>
      <ListName></ListName>
      <LocalPortNumber></LocalPortNumber>
      <LocalName></LocalName>
      <RemoteServer></RemoteServer>
      <RemotePortNumber></RemotePortNumber>
      <Description></Description>
    </PortForwardItem>
  </PortForwardItems>
</SSLVPN>
```

Table description

Item	Description
Feature name	SSLVPN
Table name	PortForwardItems
Table type	Multi-instance table
Row name	PortForwardItem
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
ListName	SSL VPN port forwarding list name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.
LocalPortNumber	Port number of the local server	Index	Unsigned integer. Value range: 1 to 65535.
LocalName	Domain name of the local server	Index	String, case insensitive. Length: 1 to 253 characters. The string can contain only letters, digits, hyphens (-), underscores (_), square brackets ([]), colon(:) and dots (.).
RemoteServer	Domain name of the remote server	N/A	String, case insensitive. Length: 1 to 253 characters. The string can contain only letters, digits, hyphens (-), underscores (_), square brackets ([]), colon(:) and dots (.).
RemotePortNumber	Port number of the remote server	N/A	Unsigned integer. Value range: 1 to 65535.
Description	Description for the port forwarding entry	N/A	String. Length: 1 to 63 characters.

SSLVPN/Ipv4AddressPools

This table contains SSL VPN IPv4 address pool configuration information.

XML structure

```

<SSLVPN>
  <Ipv4AddressPools>
    <Ipv4AddressPool>
      <Name></Name>
      <Ipv4AddressStart></Ipv4AddressStart>
      <Ipv4AddressEnd></Ipv4AddressEnd>
    </Ipv4AddressPool>
  </Ipv4AddressPools>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	Ipv4AddressPools
Table type	Multi-instance table
Row name	Ipv4AddressPool
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	SSL VPN IP address pool name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.	N/A
Ipv4AddressStart	Start IPv4 address of the pool	N/A	String, dotted decimal notation.	Example: 1.1.1.1. Ipv4AddressStart cannot be larger than Ipv4AddressEnd.
Ipv4AddressEnd	End IPv4 address of the pool	N/A	String, dotted decimal notation.	Example: 1.1.1.1.

SSLVPN/RouteLists

This table contains SSL VPN route list configuration information.

XML structure

```
<SSLVPN>
  <RouteLists>
    <RouteList>
      <ContextName></ContextName>
      <ListName></ListName>
    </RouteList>
  </RouteLists>
</SSLVPN>
```

Table description

Item	Description
Feature name	SSLVPN
Table name	RouteLists
Table type	Multi-instance table
Row name	RouteList
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
ListName	SSL VPN route list name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.

SSLVPN/RouteItems

This table contains SSL VPN route entry configuration information.

XML structure

```
<SSLVPN>
  <RouteItems>
    <RouteItem>
      <ContextName></ContextName>
      <ListName></ListName>
      <RouteType></RouteType>
      <Ipv4Address></Ipv4Address>
      <Ipv4PrefixLength></Ipv4PrefixLength>
    </RouteItem>
  </RouteItems>
</SSLVPN>
```

Table description

Item	Description
Feature name	SSLVPN
Table name	RouteItems
Table type	Multi-instance table
Row name	RouteItem
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
ListName	SSL VPN route list name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.	N/A
RouteType	The way how the route is specified	N/A	Enumeration: <ul style="list-style-type: none">0—Exclude.1—Include.	N/A
Ipv4Address	Destination IPv4 address of the route	Index	String, dotted decimal notation.	Example: 1.1.1.1.
Ipv4PrefixLength	IPv4 address prefix length	Index	Unsigned integer. Value range: 0 to 32.	N/A

SSLVPN/PolicyGroups

This table contains SSL VPN policy group basic configuration information.

XML structure

```
<SSLVPN>
  <PolicyGroups>
    <PolicyGroup>
      <ContextName></ContextName>
      <PGroupName></PGroupName>
```

```

    </PolicyGroup>
  </PolicyGroups>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	PolicyGroups
Table type	Multi-instance table
Row name	PolicyGroup
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
PGroupName	SSL VPN policy group name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.

SSLVPN/TcpAcPolicys

This table contains SSL VPN TCP access configuration information for policy groups.

XML structure

```

<SSLVPN>
  <TcpAcPolicys>
    <TcpAcPolicy>
      <ContextName></ContextName>
      <PGroupName></PGroupName>
      <PortForwardName></PortForwardName>
      <URIACLName></URIACLName>
      <Ipv4AclNumber></Ipv4AclNumber>
      <Ipv6AclNumber></Ipv6AclNumber>
    </TcpAcPolicy>
  </TcpAcPolicys>

```

</SSLVPN>

Table description

Item	Description
Feature name	SSLVPN
Table name	TcpAcPolicys
Table type	Multi-instance table
Row name	TcpAcPolicy
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
PGroupName	SSL VPN policy group name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.
PortForwardName	SSL VPN port forwarding list name	N/A	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.
URIACLName	SSL VPN URI ACL name	N/A	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
Ipv4AcNumber	Referenced IPv4 advanced ACL number	N/A	Unsigned integer. Value range: 3000 to 3999.
Ipv6AcNumber	Referenced IPv6 advanced ACL number	N/A	Unsigned integer. Value range: 3000 to 3999.

SSLVPN/IpAcPolicys

This table contains SSL VPN IP access configuration information for policy groups.

XML structure

```
<SSLVPN>
  <IpAcPolicys>
    <IpAcPolicy>
      <ContextName></ContextName>
      <PGroupName></PGroupName>
      <KeepAlive></KeepAlive>
      <Ipv4AclNumber></Ipv4AclNumber>
      <Ipv4AddressPool>
        <Name></Name>
        <Ipv4PrefixLength></Ipv4PrefixLength>
      </Ipv4AddressPool>
      <AccessRoute>
        <RouteType></RouteType>
        <RouteList></RouteList>
        <Ipv4Address></Ipv4Address>
        <Ipv4PrefixLength></Ipv4PrefixLength>
      </AccessRoute>
      <DNSServer>
        <Primary></Primary>
        <Secondary></Secondary>
      </DNSServer>
      <WINSServer>
        <Primary></Primary>
        <Secondary></Secondary>
      </WINSServer>
    </IpAcPolicy>
  </IpAcPolicys>
</SSLVPN>
```

Table description

Item	Description
Feature name	SSLVPN
Table name	IpAcPolicys
Table type	Multi-instance table
Row name	IpAcPolicy
Restrictions	The IpacPolicys table does not support multiple user groups. The IpacPolicys_v2 table is added to support multiple user groups. The IpacPolicys table is included only for compatibility. No new features will be added to this table. Use the new table IpacPolicys_v2 instead of this table.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
PGroupName	SSL VPN policy group name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.	N/A
KeepAlive	Keepalive interval	N/A	Unsigned integer. Value range: 0 to 600, in seconds. Default: 30 seconds.	N/A
Ipv4AclNumber	Referenced IPv4 advanced ACL number	N/A	Unsigned integer. Value range: 3000 to 3999.	N/A
Ipv4AddressPool	Referenced address pool	Data structure	Members include: <ul style="list-style-type: none"> Name. Ipv4PrefixLength. 	N/A
Name	SSL VPN IP address pool name	N/A	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.	N/A
Ipv4PrefixLength	SSL VPN IPv4 address pool prefix length	N/A	Unsigned integer. Value range: 1 to 30.	N/A
AccessRoute	Route issued to the client	Data structure	Members include: <ul style="list-style-type: none"> RouteType. RouteList. Ipv4Address. Ipv4PrefixLength. 	N/A
RouteType	The way how the route is specified	N/A	Enumeration: <ul style="list-style-type: none"> 1—Route list. 2—IPv4 address. 3—All. 	N/A
RouteList	SSL VPN route list name	N/A	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.	Available when RouteType is 1.
Ipv4Address	Destination IPv4 address of the route	N/A	String, dotted decimal notation.	Example: 1.1.1.1. Available when RouteType is 2.

Column name	Column description	Column type	Data type and restrictions	Remarks
Ipv4PrefixLength	IPv4 address prefix length	N/A	Unsigned integer. Value range: 0 to 32.	Available when RouteType is 2.
DNSServer	DNS server	Data structure	Members include: <ul style="list-style-type: none"> Primary. Secondary. 	N/A
Primary	IPv4 address of primary DNS server	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
Secondary	IPv4 address of secondary DNS server	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
WINSServer	WINS server	Data structure	Members include: <ul style="list-style-type: none"> Primary. Secondary. 	N/A
Primary	IPv4 address of primary WINS server	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
Secondary	IPv4 address of secondary WINS server	N/A	String, dotted decimal notation.	Example: 1.1.1.1.

SSLVPN/IpAcPolicys_v2

This table contains SSL VPN IP access configuration information for policy groups.

XML structure

```

<SSLVPN>
  <IpAcPolicys_v2>
    <IpAcPolicy_v2>
      <ContextName></ContextName>
      <PGroupName></PGroupName>
      <Ipv4AddressPool>
        <Name></Name>
        <Ipv4PrefixLength></Ipv4PrefixLength>
      </Ipv4AddressPool>
      <Ipv4AclNumber></Ipv4AclNumber>
      <Ipv6AclNumber></Ipv6AclNumber>
      <AccessRoute>
        <RouteType></RouteType>
        <RouteList></RouteList>
        <Ipv4Address></Ipv4Address>
        <Ipv4PrefixLength></Ipv4PrefixLength>
      </AccessRoute>
      <ForceAll></ForceAll>
      <URIACLName></URIACLName>
    </IpAcPolicy_v2>
  </IpAcPolicys_v2>
</SSLVPN>

```

```

    </IpAcPolicy_v2>
  </IpAcPolicys_v2>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	IpAcPolicys_v2
Table type	Multi-instance table
Row name	IpAcPolicy_v2
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
PGroupName	SSL VPN policy group name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.	N/A
Ipv4AddressPool	Referenced address pool	Data structure	Members include: <ul style="list-style-type: none"> Name. Ipv4PrefixLength. 	N/A
Name	SSL VPN IPv4 address pool name	N/A	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.	N/A
Ipv4PrefixLength	SSL VPN IPv4 address pool prefix length	N/A	Unsigned integer. Value range: 1 to 30.	N/A
Ipv4AclNumber	Referenced IPv4 advanced ACL number	N/A	Unsigned integer. Value range: 3000 to 3999.	N/A
Ipv6AclNumber	Referenced IPv6 advanced ACL number	N/A	Unsigned integer. Value range: 3000 to 3999.	New feature, not compatible with the old table.

Column name	Column description	Column type	Data type and restrictions	Remarks
AccessRoute	Route issued to the client	Data structure	Members include: <ul style="list-style-type: none"> RouteType. RouteList. Ipv4Address. Ipv4PrefixLength. 	N/A
RouteType	The way how the route is specified	N/A	Enumeration: <ul style="list-style-type: none"> 1—Route list. 2—IPv4 address. 	N/A
ForceAll	Whether the force all is enabled	N/A	Boolean: <ul style="list-style-type: none"> false—Enabled. true—Disabled. 	N/A
RouteList	SSL VPN route list name	N/A	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.	Available when RouteType is 1.
Ipv4Address	Destination IPv4 address of the route	N/A	String, dotted decimal notation.	Example: 1.1.1.1. Available when RouteType is 2.
Ipv4PrefixLength	IPv4 address prefix length	N/A	Unsigned integer. Value range: 0 to 32.	Available when RouteType is 2.
URIACLName	SSL VPN URI ACL name	N/A	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	New feature, not compatible with the old table.

SSLVPN/URIACLs

This table contains SSL VPN URI ACL configuration information.

XML structure

```

<SSLVPN>
  <URIACLs>
    <URIACL>
      <ContextName></ContextName>
      <URIACLName></URIACLName>
    </URIACL>
  </URIACLs>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	URIACLs
Table type	Multi-instance table
Row name	URIACL
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
URIACLName	SSL VPN URI ACL name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).

SSLVPN/URIACLItems

This table contains SSL VPN URI ACL entry configuration information.

XML structure

```
<SSLVPN>
  <URIACLItems>
    <URIACLItem>
      <ContextName></ContextName>
      <URIACLName></URIACLName>
      <RuleNumber></RuleNumber>
      <Action></Action>
      <Pattern></Pattern>
    </URIACLItem>
  </URIACLItems>
</SSLVPN>
```

Table description

Item	Description
Feature name	SSLVPN
Table name	URIACLItems
Table type	Multi-instance table
Row name	URIACLItem
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
URIACLName	SSL VPN URI ACL name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
RuleNumber	Rule ID	Index	Unsigned integer. Value range: 0 to 65534.
Action	Action	N/A	Unsigned integer. Value range: 1 to 2. <ul style="list-style-type: none">1—Permit.2—Deny.
Pattern	Rule pattern	N/A	String, case insensitive. Length: 1 to 256 characters.

SSLVPN/WebAcPolicys

This table contains SSL VPN Web access configuration information for policy groups.

XML structure

```
<SSLVPN>
  <WebAcPolicys>
    <WebAcPolicy>
      <ContextName></ContextName>
      <PGroupName></PGroupName>
```

```

    <Ipv4AclNumber></Ipv4AclNumber>
    <Ipv6AclNumber></Ipv6AclNumber>
    <URIACLName></URIACLName>
  </WebAcPolicy>
</WebAcPolicys>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	WebAcPolicys
Table type	Multi-instance table
Row name	WebAcPolicy
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	
PGroupName	SSL VPN policy group name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.	
Ipv4AclNumber	Referenced IPv4 advanced ACL number	N/A	Unsigned integer. Value range: 3000 to 3999.	
Ipv6AclNumber	Referenced IPv6 advanced ACL number	N/A	Unsigned integer. Value range: 3000 to 3999.	
URIACLName	SSL VPN URI ACL name	N/A	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A

SSLVPN/UrILists

This table contains SSL VPN URL list configuration information.

XML structure

```
<SSLVPN>
  <UrlLists>
    <UrlList>
      <ContextName></ContextName>
      <ListName></ListName>
      <Heading></Heading>
    </UrlList>
  </UrlLists>
</SSLVPN>
```

Table description

Item	Description
Feature name	SSLVPN
Table name	UrlLists
Table type	Multi-instance table
Row name	UrlList
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
ListName	SSL VPN URL list name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.
Heading	SSL VPN URL list heading	N/A	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).

SSLVPN/UrlItems

This table contains SSL VPN URL entry configuration information.

XML structure

```
<SSLVPN>
  <UrlItems>
    <UrlItem>
      <ContextName></ContextName>
      <ListName></ListName>
      <UrlName></UrlName>
      <UrlValue></UrlValue>
      <URIACLName></URIACLName>
    </UrlItem>
  </UrlItems>
</SSLVPN>
```

Table description

Item	Description
Feature name	SSLVPN
Table name	UrlItems
Table type	Multi-instance table
Row name	UrlItem
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
ListName	SSL VPN URL list name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
UrlName	URL name	Index	String, case insensitive. Length: 1 to 31 characters.
UrlValue	URL string	N/A	String, case insensitive. Length: 1 to 253 characters.
URIACLName	SSL VPN URI ACL name	N/A	String, case insensitive. Length: 1 to 31 characters. the string can contain only letters, digits, and

Column name	Column description	Column type	Data type and restrictions
			underscores(_).

SSLVPN/UrlCtxItems

This table contains SSL VPN URL item configuration information.

XML structure

```

<SSLVPN>
  <UrlCtxItems>
    <UrlCtxItem>
      <ContextName></ContextName>
      <ItemName></ItemName>
      <UrlMapping>
        <MappingType></MappingType>
        <Domain></Domain>
        <GatewayName></GatewayName>
        <VirtualHost></VirtualHost>
        <Rewrite></Rewrite>
      </UrlMapping>
      <UrlValue></UrlValue>
      <URIACLName></URIACLName>
    </UrlCtxItem>
  </UrlCtxItems>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	UrlCtxItems
Table type	Multi-instance table
Row name	UrlCtxItem
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters.	N/A

			The string can contain only letters, digits, and underscores (_).	
ItemName	URL item name	Index	String, case insensitive. Length: 1 to 31 characters.	N/A
UrlMapping	URL mapping	Data structure	Members include: <ul style="list-style-type: none"> • MappingType. • Domain. • GatewayName. • VirtualHost. • Rewrite. 	N/A
MappingType	URL mapping type	N/A	Enumeration: <ul style="list-style-type: none"> • 1—domain mapping. • 2—port mapping. 	N/A
Domain	Domain name specified for the domain mapping	N/A	String, case insensitive. Length: 1 to 127 characters. The string can contain only letters, digits, hyphens (-), underscores (_), and dots (.).	N/A
GatewayName	Gateway name specified for the port mapping	N/A	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
VirtualHost	Virtual host name specified for the associated gateway	N/A	String, case insensitive. Length: 1 to 127 characters. The string can contain only letters, digits, hyphens (-), underscores (_), and dots (.).	N/A
Rewrite	Whether absolute URL rewriting is enabled	N/A	Boolean: <ul style="list-style-type: none"> • true—Enabled. • false—Disabled (default). 	N/A
UrlValue	URL string	N/A	String, case insensitive. Length: 1 to 253 characters.	N/A
URIACLName	SSL VPN URI ACL name	N/A	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores(_).	N/A

SSLVPN/UrlItemResources

This table contains SSL VPN URL item resource configuration information.

XML structure

```
<SSLVPN>
  <UrlItemResources>
```

```

<UrlItemResource>
  <ContextName></ContextName>
  <UrlListName></UrlListName>
  <ItemName></ItemName>
</UrlItemResource>
</UrlItemResources>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	UrlItemResources
Table type	Multi-instance table
Row name	UrlItemResource
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
UrlListName	SSL VPN URL list name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.	N/A
ItemName	URL item name	Index	String, case insensitive. Length: 1 to 31 characters.	N/A

SSLVPN/SnatPools

This table contains SSL VPN SNAT pool configuration information.

XML structure

```

<SSLVPN>
  <SnatPools>
    <SnatPool>
      <Name></Name>
    </SnatPool>
  </SnatPools>
</SSLVPN>

```

```

    <Ipv4AddressStart></Ipv4AddressStart>
    <Ipv4AddressEnd></Ipv4AddressEnd>
  </SnatPool>
</SnatPools>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	SnatPools
Table type	Multi-instance table
Row name	SnatPool
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	SSL VPN SNAT pool name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
Ipv4AddressStart	Start IPv4 address of the SNAT pool	N/A	String, dotted decimal notation.	Example: 1.1.1.1. Ipv4AddressStart cannot be higher than Ipv4AddressEnd.
Ipv4AddressEnd	End IPv4 address of the SNAT pool	N/A	String, dotted decimal notation.	Example: 1.1.1.1.

SSLVPN/Ipv6SnatPools

This table contains SSL VPN Ipv6 SNAT pool configuration information.

XML structure

```

<SSLVPN>
  <Ipv6SnatPools>
    <Ipv6SnatPool>
      <Name></Name>
      <Ipv6AddressStart></Ipv6AddressStart>
      <Ipv6AddressEnd></Ipv6AddressEnd>
    </Ipv6SnatPool>
  </Ipv6SnatPools>
</SSLVPN>

```

```

    </Ipv6SnatPool>
  </Ipv6SnatPools>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	Ipv6SnatPools
Table type	Multi-instance table
Row name	Ipv6SnatPool
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	SSL VPN SNAT pool name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
Ipv6AddressStart	Start IPv6 address of the SNAT pool	N/A	Hexadecimal string, colon-separated.	Example: 1.1.1.1. Ipv4AddressStart cannot be higher than Ipv4AddressEnd.
Ipv6AddressEnd	End IPv6 address of the SNAT pool	N/A	Hexadecimal string, colon-separated.	Example: 1.1.1.1.

SSLVPN/UrlResources

This table contains SSL VPN URL resource configuration information.

XML structure

```

<SSLVPN>
  <UrlResources>
    <UrlResource>
      <ContextName></ContextName>
      <PGroupName></PGroupName>
      <ListName></ListName>
    </UrlResource>
  </UrlResources>
</SSLVPN>

```

```

    </UrlResources>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	UrlResources
Table type	Multi-instance table
Row name	UrlResource
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
PGroupName	SSL VPN policy group name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.
ListName	SSL VPN URL list name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.

SSLVPN/SnatResources

This table contains SSL VPN SNAT resource configuration information.

XML structure

```

<SSLVPN>
  <SnatResources>
    <SnatResource>
      <ContextName></ContextName>
      <SnatPoolName></SnatPoolName>
    </SnatResource>
  </SnatResources>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	SnatResources
Table type	Multi-instance table
Row name	SnatResource
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
SnatPoolName	SSL VPN SNAT pool name	N/A	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).

SSLVPN/UserControls

This table contains SSL VPN user control configuration information.

XML structure

```
<SSLVPN>
  <UserControls>
    <UserControl>
      <ContextName></ContextName>
      <MaxOnlineNum></MaxOnlineNum>
      <ForceLogout></ForceLogout>
      <SessionConnectionNum></SessionConnectionNum>
    </UserControl>
  </UserControls>
</SSLVPN>
```


Table description

Item	Description
Feature name	SSLVPN
Table name	UserControls
Table type	Multi-instance table
Row name	UserControl
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
MaxOnlineNum	Maximum online number of each SSL VPN user for the context	N/A	Unsigned integer. Value range: 0 to 1048575. Default: 32.	If the maxOnlineNum is 0, the context doesn't control the maximum online number of each SSL VPN user.
ForceLogout	Whether the force logout is enabled	N/A	Boolean: <ul style="list-style-type: none">true—Enabled.false—Disabled (default).	N/A
SessionConnNum	Maximum number of connections for each session	N/A	Unsigned integer. Value range: 0, 10 to 1000. Default: 64.	If the MaxSessionConnNum is 0, the context doesn't control the maximum number of connections for each session.

SSLVPN/GlobalLog

This table contains SSL VPN global log configuration information.

XML structure

```
<SSLVPN>
  <GlobalLog>
    <GlobalLogEnable></GlobalLogEnable>
  </GlobalLog>
</SSLVPN>
```

Table description

Item	Description
Feature name	SSLVPN
Table name	GlobalLog
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GlobalLogEnable	Whether the global log is enabled	N/A	Boolean: <ul style="list-style-type: none">• true—Enabled.• false—Disabled (default).	N/A

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SSLVPN

SSLVPN/Gateways

This table contains SSL VPN gateway information.

XML structure

```
<SSLVPN>
  <Gateways>
    <Gateway>
      <Name></Name>
      <AddressType></AddressType>
      <Ipv4Address></Ipv4Address>
      <Ipv6Address></Ipv6Address>
      <PortNumber></PortNumber>
      <VRF></VRF>
      <SSLServerPolicy></SSLServerPolicy>
      <HTTPRedirect></HTTPRedirect>
      <RedirectPort></RedirectPort>
      <Enable></Enable>
      <OperStatus></OperStatus>
      <DownReason></DownReason>
    </Gateway>
  </Gateways>
</SSLVPN>
```

Table description

Item	Description
Feature name	SSLVPN
Table name	Gateways
Table type	Multi-instance table
Row name	Gateway
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	SSL VPN gateway name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			letters, digits, and underscores (_).	
AddressType	Whether the SSL VPN gateway address is an IPv6 address	N/A	Boolean: <ul style="list-style-type: none"> false—IPv4. true—IPv6. 	N/A
Ipv4Address	IPv4 address of the SSL VPN gateway	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
Ipv6Address	IPv6 address of the SSL VPN gateway	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.
PortNumber	Port number of the SSL VPN gateway	N/A	Unsigned integer. Value range: 443, 1025 to 65535.	N/A
VRF	Name of the VRF instance associated with the SSL VPN gateway	N/A	String. Length: 0 to 31 characters.	If the gateway is on the public network, the length of characters is 0.
SSLServerPolicy	Name of the SSL server policy used by the SSL VPN gateway	N/A	String, case insensitive. Length: 1 to 31 characters.	N/A
HTTPRedirect	Whether HTTP traffic is redirected	N/A	Boolean: <ul style="list-style-type: none"> true—Redirected. false—Not redirected. 	N/A
RedirectPort	Port number of the redirected HTTP traffic	N/A	Unsigned integer. Value range: 80, 1025 to 65535.	N/A
Enable	Whether the SSL VPN gateway is enabled	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
OperStatus	SSL VPN gateway operation status	N/A	Enumeration: <ul style="list-style-type: none"> 1—up. 2—down. 	N/A
DownReason	Reason why the operation status of the SSL VPN gateway is down	N/A	String. Length: 1 to 127 characters.	This column is available only when the SSL VPN gateway operation status is down.

SSLVPN/Contexts

This table contains SSL VPN context information.

XML structure

<SSLVPN>

```

<Contexts>
  <Context>
    <Name></Name>
    <Gateway>
      <Name></Name>
      <AccessType></AccessType>
      <Domain></Domain>
      <VirtualHost></VirtualHost>
    </Gateway>
    <VRF></VRF>
    <MaxUsers></MaxUsers>
    <IdleTimeout></IdleTimeout>
    <AAADomain></AAADomain>
    <EMOServer>
      <Address></Address>
      <PortNumber></PortNumber>
    </EMOServer>
    <DefaultPolicyGroup></DefaultPolicyGroup>
    <Enable></Enable>
    <OperStatus></OperStatus>
    <DownReason></DownReason>
  </Context>
</Contexts>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	Contexts
Table type	Multi-instance table
Row name	Context
Restrictions	The Contexts table does not support multiple links. Tables ContextGateways and contexts_v2 are added to support multiple links, and new features are added in the these two tables. The Contexts table is included only for compatibility. No new features will be added to this table. Use new tables ContextGateways and contexts_v2 instead of this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Gateway	Associated gateway	Data structure	Members include: <ul style="list-style-type: none"> Name. AccessType. Domain. VirtualHost. 	N/A
Name	Associated gateway name	N/A	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
AccessType	Gateway access method	N/A	Enumeration: <ul style="list-style-type: none"> 1—domain. 2—virtual host. 	N/A
Domain	Domain specified for the associated gateway	N/A	String, case insensitive. Length: 1 to 127 characters. The string can contain only letters, digits, hyphens (-), and underscores (_).	N/A
VirtualHost	Virtual host specified for the associated gateway	N/A	String, case insensitive. Length: 1 to 127 characters. The string can contain only letters, digits, hyphens (-), underscores (_), and dots (.).	N/A
VRF	Name of the VRF instance associated with the SSL VPN context	N/A	String. Length: 0 to 31 characters.	If the context is on the public network, the length of characters is 0.
MaxUsers	Maximum number of SSL VPN user connections	N/A	Unsigned integer. Value range: 1 to 1048575.	N/A
IdleTimeout	User connection idle timeout time	N/A	Unsigned integer. Value range: 1 to 1440, in minutes.	N/A
AAADomain	SSL VPN context AAA domain	N/A	String, case insensitive. Length: 1 to 255 characters. The string cannot contain the following characters: / \ " : * ? < > @ The string cannot be any of the following values: d, de, def, defa, defau, default, default, i, if, if-, if-u, if-un, if-unk, if-unkn, if-unkno, if-unknow, or if-unknown.	N/A
EMOServer	EMO server	Data structure	Members include: <ul style="list-style-type: none"> Address. PortNumber. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Address	IPv4 address or host name of the EMO server	N/A	IPv4 address: String, dotted decimal notation. Host name: String, case insensitive. Length: 1 to 127 characters. The string can contain only letters, digits, hyphens (-), underscores (_), and dots (.).	IPv4 address example: 1.1.1.1. Host name example: www.example.com.
PortNumber	Port number of the EMO server	N/A	Unsigned integer. Value range: 1025 to 65535.	N/A
DefaultPolicy Group	Default policy group	N/A	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.	N/A
Enable	Whether the SSL VPN context is enabled.	N/A	Boolean: • true—Enabled. • false—Disabled.	N/A
OperStatus	SSL VPN context operation status	N/A	Enumeration: • 1—up. • 2—down.	N/A
DownReason	Reason why the operation status of the SSL VPN context is down	N/A	String. Length: 1 to 127 characters.	This column is available only when the SSL VPN context operation status is down.

SSLVPN/Contexts_v2

This table contains SSL VPN context information.

XML structure

```

<SSLVPN>
  <Contexts_v2>
    <Context_v2>
      <Name></Name>
      <VRF></VRF>
      <MaxUsers></MaxUsers>
      <IdleTimeout></IdleTimeout>
      <AAADomain></AAADomain>
      <EMOServer>
        <Address></Address>
        <PortNumber></PortNumber>
      </EMOServer>
      <MessageServer>
        <Address></Address>

```

```

        <PortNumber></PortNumber>
    </MessageServer>
    <SmsImcServer>
        <Address></Address>
        <PortNumber></PortNumber>
        <VRF></VRF>
    </SmsImcServer>
    <SmsImc></SmsImc>
    <DefaultPolicyGroup></DefaultPolicyGroup>
    <SSLClientPolicy></SSLClientPolicy>
    <Enable></Enable>
    <OperStatus></OperStatus>
    <DownReason></DownReason>
</Context_v2>
</Contexts_v2>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	Contexts_v2
Table type	Multi-instance table
Row name	Context_v2
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
VRF	Name of the VRF instance associated with the SSL VPN context	N/A	String. Length: 0 to 31 characters.	If the context is on the public network, the length of characters is 0.
MaxUsers	Maximum number of SSL VPN user connections	N/A	Unsigned integer. Value range: 1 to 1048575.	N/A
IdleTimeout	User connection idle timeout time	N/A	Unsigned integer. Value range: 1 to 1440, in minutes.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
AAADomain	SSL VPN context AAA domain	N/A	String, case insensitive. Length: 1 to 255 characters. The string cannot contain the following characters: / \ " : * ? < > @ The string cannot be any of the following values: d, de, def, defa, defau, default, default, i, if, if-, if-u, if-un, if-unk, if-unkn, if-unkno, if-unknow, or if-unknown.	N/A
EMOServer	EMO server	Data structure	Members include: <ul style="list-style-type: none"> Address. PortNumber. 	N/A
Address	IPv4 address or host name of the EMO server	N/A	IPv4 address: String, dotted decimal notation. Host name: String, case insensitive. Length: 1 to 127 characters. The string can contain only letters, digits, hyphens (-), underscores (_), and dots (.).	IPv4 address example: 1.1.1.1. Host name example: www.example.com.
PortNumber	Port number of the EMO server	N/A	Unsigned integer. Value range: 1025 to 65535.	N/A
MessageServer	Message server	Data structure	Members include: <ul style="list-style-type: none"> Address. PortNumber. 	N/A
Address	IPv4 address or host name of the Message server	N/A	IPv4 address: String, dotted decimal notation. Host name: String, case insensitive. Length: 1 to 127 characters. The string can contain only letters, digits, hyphens (-), underscores (_), and dots (.).	IPv4 address example: 1.1.1.1. Host name example: www.example.com.
PortNumber	Port number of the Message server	N/A	Unsigned integer. Value range: 1025 to 65535.	N/A
SmsImcServer	Short Message Service of IMC server	Data structure	Members include: <ul style="list-style-type: none"> Address. PortNumber. 	New feature, not compatible with the old table.
Address	IPv4 address or host name of the IMC server	N/A	String, dotted decimal notation.	New feature, not compatible with the old table. Example: 1.1.1.1.
PortNumber	Port number of the IMC server	N/A	Unsigned integer. Value range: 1 to 65535.	New feature, not compatible with the old table.
VRF	Name of the VRF	N/A	String:	If the IMC server is on

Column name	Column description	Column type	Data type and restrictions	Remarks
	instance associated with the IMC server		Length: 0 to 31 characters.	the public network, the length of characters is 0.
SmsImc	Whether the SMS-IMC message authentication of the SSL VPN context is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	New feature, not compatible with the old table.
DefaultPolicy Group	Default policy group	N/A	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.	N/A
SSLClientPolicy	Name of the SSL client policy used by the SSL VPN context	N/A	String, case insensitive. Length: 1 to 31 characters.	New feature, not compatible with the old table.
Enable	Whether the SSL VPN context is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
OperStatus	SSL VPN context operation status	N/A	Enumeration: <ul style="list-style-type: none"> 1—up. 2—down. 	N/A
DownReason	Reason why the operation status of the SSL VPN context is down	N/A	String. Length: 1 to 127 characters.	This column is available only when the SSL VPN context operation status is down.

SSLVPN/ContextGateways

This table contains information about the SSL VPN gateway associated with the context.

XML structure

```

<SSLVPN>
  <ContextGateways>
    <ContextGateway>
      <ContextName></ContextName>
      <GatewayName></GatewayName>
      <AccessType></AccessType>
      <Domain></Domain>
      <VirtualHost></VirtualHost>
    </ContextGateway>
  </ContextGateways>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	ContextGateways
Table type	Multi-instance table
Row name	ContextGateway
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
GatewayName	Associated gateway name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
AccessType	Gateway access method	N/A	Enumeration: <ul style="list-style-type: none">1—domain.2—virtual host.	N/A
Domain	Domain specified for the associated gateway	N/A	String, case insensitive. Length: 1 to 127 characters. The string can contain only letters, digits, hyphens (-), and underscores (_).	N/A
VirtualHost	Virtual host specified for the associated gateway	N/A	String, case insensitive. Length: 1 to 127 characters. The string can contain only letters, digits, hyphens (-), underscores (_), and dots (.).	N/A

SSLVPN/IpAcContexts

This table contains SSL VPN IP access information for contexts.

XML structure

```
<SSLVPN>
  <IpAcContexts>
    <IpAcContext>
```

```

<ContextName></ContextName>
<AcIfIndex></AcIfIndex>
<KeepAlive></KeepAlive>
<Ipv4AddressPool>
  <Name></Name>
  <Ipv4PrefixLength></Ipv4PrefixLength>
</Ipv4AddressPool>
<DNSServer>
  <Primary></Primary>
  <Secondary></Secondary>
</DNSServer>
<WINSServer>
  <Primary></Primary>
  <Secondary></Secondary>
</WINSServer>
<ConnCloseLog></ConnCloseLog>
<IPClientAutoActive></IPClientAutoActive>
<WebResourceAutoPush></WebResourceAutoPush>
</IpAcContext>
</IpAcContexts>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	IpAcContexts
Table type	Multi-instance table
Row name	IpAcContext
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
AcIfIndex	Index of the referenced SSL VPN access interface	N/A	Unsigned integer.	N/A
KeepAlive	Keepalive interval	N/A	Unsigned integer. Value range: 0 to 600, in seconds.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			Default: 30 seconds.	
Ipv4AddressPool	Referenced address pool	Data structure	Members include: <ul style="list-style-type: none"> Name. Ipv4PrefixLength. 	N/A
Name	SSL VPN IP address pool name	N/A	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.	N/A
Ipv4PrefixLength	SSL VPN IPv4 address pool prefix length	N/A	Unsigned integer. Value range: 1 to 30.	N/A
DNSServer	DNS server	Data structure	Members include: <ul style="list-style-type: none"> Primary. Secondary. 	N/A
Primary	IPv4 address of primary DNS server	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
Secondary	IPv4 address of secondary DNS server	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
WINSServer	WINS server	Data structure	Members include: <ul style="list-style-type: none"> Primary. Secondary. 	N/A
Primary	IPv4 address of primary WINS server	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
Secondary	IPv4 address of secondary WINS server	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
ConnCloseLog	Whether IP access connection close logging of the SSL VPN context is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
IPClientAutoActive	Whether automatically activate the IP access client after Web login.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
WebResourceAutoPush	Whether automatically push Web resources after IP access client login.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A

SSLVPN/UISettings

This table contains SSL VPN context UI information.

XML structure

```
<SSLVPN>
  <UISettings>
    <UISetting>
      <ContextName></ContextName>
      <VerifyCode></VerifyCode>
      <DPWD></DPWD>
      <DisplayLogo></DisplayLogo>
      <LogoFile></LogoFile>
      <LoginMsg>
        <English></English>
        <Chinese></Chinese>
      </LoginMsg>
      <Title>
        <English></English>
        <Chinese></Chinese>
      </Title>
      <CertificateAuthen></CertificateAuthen>
      <PasswordAuthen></PasswordAuthen>
      <AuthenUse></AuthenUse>
      <UserLog></UserLog>
      <ResourceLog></ResourceLog>
      <Filter></Filter>
      <Brief></Brief>
    </UISetting>
  </UISettings>
</SSLVPN>
```

Table description

Item	Description
Feature name	SSLVPN
Table name	UISettings
Table type	Multi-instance table
Row name	UISetting
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
VerifyCode	Whether the verify code is enabled	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
DPWD	Whether the dynamic password is enabled	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
DisplayLogo	Whether the logo is displayed	N/A	Boolean: <ul style="list-style-type: none"> true—Displayed. false—Not displayed.
LogoFile	Logo file path	N/A	String, case insensitive. Length: 1 to 255 characters.
LoginMsg	Web login message	Data structure	Members include: <ul style="list-style-type: none"> English. Chinese.
English	English login message string	N/A	String. Length: 1 to 255 characters.
Chinese	Chinese login message string	N/A	String. Length: 1 to 255 characters.
Title	Web title	Data structure	Members include: <ul style="list-style-type: none"> English. Chinese.
English	English title string	N/A	String. Length: 1 to 255 characters.
Chinese	Chinese title string	N/A	String. Length: 1 to 255 characters.
ResourcerLog	Whether Resource logging of the SSL VPN context is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
Filter	Whether resource access log filtering is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
Brief	Whether brief logging for resource access is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
CertificateAut	Whether	N/A	Boolean:

Column name	Column description	Column type	Data type and restrictions
hen	certificate authentication of the SSL VPN context is enabled.		<ul style="list-style-type: none"> true—Enabled. false—Disabled.
UserLog	Whether user logging of the SSL VPN context is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
PasswordAuthen	Whether password authentication of the SSL VPN context is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled.
AuthenUse	The authentication methods required for user login.	N/A	Enumeration: <ul style="list-style-type: none"> 0—all. 1—any-one.

SSLVPN/PortForwardLists

This table contains SSL VPN port forwarding list information.

XML structure

```

<SSLVPN>
  <PortForwardLists>
    <PortForwardList>
      <ContextName></ContextName>
      <ListName></ListName>
    </PortForwardList>
  </PortForwardLists>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	PortForwardLists
Table type	Multi-instance table
Row name	PortForwardList
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
ListName	SSL VPN port forwarding list name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.

SSLVPN/PortForwardItems

This table contains SSL VPN port forwarding entry information.

XML structure

```
<SSLVPN>
  <PortForwardItems>
    <PortForwardItem>
      <ContextName></ContextName>
      <ListName></ListName>
      <LocalPortNumber></LocalPortNumber>
      <LocalName></LocalName>
      <RemoteServer></RemoteServer>
      <RemotePortNumber></RemotePortNumber>
      <Description></Description>
    </PortForwardItem>
  </PortForwardItems>
</SSLVPN>
```

Table description

Item	Description
Feature name	SSLVPN
Table name	PortForwardItems
Table type	Multi-instance table
Row name	PortForwardItem
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
ListName	SSL VPN port forwarding list name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.
LocalPortNumber	Port number of the local server	Index	Unsigned integer. Value range: 1 to 65535.
LocalName	Domain name of the local server	Index	String, case insensitive. Length: 1 to 253 characters. The string can contain only letters, digits, hyphens (-), underscores (_), square brackets ([]), colon(:) and dots (.).
RemoteServer	Domain name of the remote server	N/A	String, case insensitive. Length: 1 to 253 characters. The string can contain only letters, digits, hyphens (-), underscores (_), square brackets ([]), colon(:) and dots (.).
RemotePortNumber	Port number of the remote server	N/A	Unsigned integer. Value range: 1 to 65535.
Description	Description for the port forwarding entry	N/A	String. Length: 1 to 63 characters.

SSLVPN/Ipv4AddressPools

This table contains SSL VPN IPv4 address pool information.

XML structure

```

<SSLVPN>
  <Ipv4AddressPools>
    <Ipv4AddressPool>
      <Name></Name>
      <Ipv4AddressStart></Ipv4AddressStart>
      <Ipv4AddressEnd></Ipv4AddressEnd>
    </Ipv4AddressPool>
  </Ipv4AddressPools>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	Ipv4AddressPools
Table type	Multi-instance table
Row name	Ipv4AddressPool
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	SSL VPN IP address pool name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.	N/A
Ipv4AddressStart	Start IPv4 address of the pool	N/A	String, dotted decimal notation.	Example: 1.1.1.1. Ipv4AddressStart cannot be larger than Ipv4AddressEnd.
Ipv4AddressEnd	End IPv4 address of the pool	N/A	String, dotted decimal notation.	Example: 1.1.1.1.

SSLVPN/RouteLists

This table contains SSL VPN route list information.

XML structure

```
<SSLVPN>
  <RouteLists>
    <RouteList>
      <ContextName></ContextName>
      <ListName></ListName>
    </RouteList>
  </RouteLists>
</SSLVPN>
```

Table description

Item	Description
Feature name	SSLVPN
Table name	RouteLists
Table type	Multi-instance table
Row name	RouteList
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
ListName	SSL VPN route list name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.

SSLVPN/RouteItems

This table contains SSL VPN route item information.

XML structure

```
<SSLVPN>
  <RouteItems>
    <RouteItem>
      <ContextName></ContextName>
      <ListName></ListName>
      <RouteType></RouteType>
      <Ipv4Address></Ipv4Address>
      <Ipv4PrefixLength></Ipv4PrefixLength>
    </RouteItem>
  </RouteItems>
</SSLVPN>
```

Table description

Item	Description
Feature name	SSLVPN
Table name	RouteItems
Table type	Multi-instance table
Row name	RouteItem
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
RouteType	The way how the route is specified	N/A	Enumeration: <ul style="list-style-type: none">0—Exclude.1—Include.	N/A
ListName	SSL VPN route list name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.	N/A
Ipv4Address	Destination IPv4 address of the route	Index	String, dotted decimal notation.	Example: 1.1.1.1.
Ipv4PrefixLength	IPv4 address prefix length	Index	Unsigned integer. Value range: 0 to 32.	N/A

SSLVPN/PolicyGroups

This table contains SSL VPN policy group basic information.

XML structure

```
<SSLVPN>
  <PolicyGroups>
    <PolicyGroup>
      <ContextName></ContextName>
      <PGroupName></PGroupName>
      <IsDefault></IsDefault>
```



```

    </PolicyGroup>
  </PolicyGroups>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	PolicyGroups
Table type	Multi-instance table
Row name	PolicyGroup
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
PGroupName	SSL VPN policy group name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.
IsDefault	Whether the SSL VPN policy group is the default group of the context	N/A	Boolean: <ul style="list-style-type: none"> true—The SSL VPN policy group is the default group of the context. false—The SSL VPN policy group is not the default group of the context.

SSLVPN/TcpAcPolicies

This table contains SSL VPN TCP access information for policy groups.

XML structure

```

<SSLVPN>
  <TcpAcPolicies>
    <TcpAcPolicy>
      <ContextName></ContextName>
      <PGroupName></PGroupName>
      <PortForwardName></PortForwardName>
      <URIACLName></URIACLName>
    </TcpAcPolicy>
  </TcpAcPolicies>
</SSLVPN>

```

```

    <Ipv4AclNumber></Ipv4AclNumber>
    <Ipv6AclNumber></Ipv6AclNumber>
  </TcpAcPolicy>
</TcpAcPolicys>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	TcpAcPolicys
Table type	Multi-instance table
Row name	TcpAcPolicy
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
PGroupName	SSL VPN policy group name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.
PortForwardName	SSL VPN port forwarding list name	N/A	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.
URIACLName	SSL VPN URI ACL name	N/A	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
Ipv4AclNumber	Referenced IPv4 advanced ACL number	N/A	Unsigned integer. Value range: 3000 to 3999.
Ipv6AclNumber	Referenced IPv6 advanced ACL number	N/A	Unsigned integer. Value range: 3000 to 3999.

SSLVPN/IpAcPolicys

This table contains SSL VPN IP access information for policy groups.

XML structure

```
<SSLVPN>
  <IpAcPolicys>
    <IpAcPolicy>
      <ContextName></ContextName>
      <PGroupName></PGroupName>
      <KeepAlive></KeepAlive>
      <Ipv4AclNumber></Ipv4AclNumber>
      <Ipv4AddressPool>
        <Name></Name>
        <Ipv4PrefixLength></Ipv4PrefixLength>
      </Ipv4AddressPool>
      <AccessRoute>
        <RouteType></RouteType>
        <RouteList></RouteList>
        <Ipv4Address></Ipv4Address>
        <Ipv4PrefixLength></Ipv4PrefixLength>
      </AccessRoute>
      <DNSServer>
        <Primary></Primary>
        <Secondary></Secondary>
      </DNSServer>
      <WINSServer>
        <Primary></Primary>
        <Secondary></Secondary>
      </WINSServer>
    </IpAcPolicy>
  </IpAcPolicys>
</SSLVPN>
```

Table description

Item	Description
Feature name	SSLVPN
Table name	IpAcPolicys
Table type	Multi-instance table
Row name	IpAcPolicy
Restrictions	The IpacPolicys table does not support multiple user groups. The IpacPolicys_v2 table is added to support multiple user groups. The IpacPolicy table is included only for compatibility. No new features will be added to this table. Use the new table IpacPolicys_v2 instead of this table.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
PGroupName	SSL VPN policy group name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.	N/A
KeepAlive	Keepalive interval	N/A	Unsigned integer. Value range: 0 to 600, in seconds.	N/A
Ipv4AclNumber	Referenced IPv4 advanced ACL number	N/A	Unsigned integer. Value range: 3000 to 3999.	N/A
Ipv4AddressPool	Referenced address pool	Data structure	Members include: <ul style="list-style-type: none"> Name. Ipv4PrefixLength. 	N/A
Name	SSL VPN IP address pool name	N/A	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.	N/A
Ipv4PrefixLength	SSL VPN IPv4 address pool prefix length	N/A	Unsigned integer. Value range: 1 to 30.	N/A
AccessRoute	Route issued to the client	Data structure	Members include: <ul style="list-style-type: none"> RouteType. RouteList. Ipv4Address. Ipv4PrefixLength. 	N/A
RouteType	The way how the route is specified	N/A	Enumeration: <ul style="list-style-type: none"> 1—Route list. 2—IPv4 address. 3—All. 	N/A
RouteList	SSL VPN route list name	N/A	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Ipv4Address	Destination IPv4 address of the route	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
Ipv4PrefixLength	IPv4 address prefix length	N/A	Unsigned integer. Value range: 0 to 32.	N/A
DNSServer	DNS server	Data structure	Members include: <ul style="list-style-type: none"> Primary. Secondary. 	N/A
Primary	IPv4 address of primary DNS server	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
Secondary	IPv4 address of secondary DNS server	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
WINSServer	WINS server	Data structure	Members include: <ul style="list-style-type: none"> Primary. Secondary. 	N/A
Primary	IPv4 address of primary WINS server	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
Secondary	IPv4 address of secondary WINS server	N/A	String, dotted decimal notation.	Example: 1.1.1.1.

SSLVPN/IpAcPolicys_v2

This table contains SSL VPN IP access information for policy groups.

XML structure

```

<SSLVPN>
  <IpAcPolicys_v2>
    <IpAcPolicy_v2>
      <ContextName></ContextName>
      <PGroupName></PGroupName>
      <Ipv4AddressPool>
        <Name></Name>
        <Ipv4PrefixLength></Ipv4PrefixLength>
      </Ipv4AddressPool>
      <Ipv4AclNumber></Ipv4AclNumber>
      <Ipv6AclNumber></Ipv6AclNumber>
      <AccessRoute>
        <RouteType></RouteType>
        <RouteList></RouteList>
        <Ipv4Address></Ipv4Address>
        <Ipv4PrefixLength></Ipv4PrefixLength>
      </AccessRoute>
    </IpAcPolicy_v2>
  </IpAcPolicys_v2>
</SSLVPN>

```

```

    </AccessRoute>
    <ForceAll></ForceAll>
    <URIACLName></URIACLName>
    </IpAcPolicy_v2>
  </IpAcPolicys_v2>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	IpAcPolicys
Table type	Multi-instance table
Row name	IpAcPolicy
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
PGroupName	SSL VPN policy group name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.	N/A
Ipv4AddressPool	Referenced address pool	Data structure	Members include: <ul style="list-style-type: none"> Name. Ipv4PrefixLength. 	N/A
Name	SSL VPN IPv4 address pool name	N/A	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.	N/A
Ipv4PrefixLength	SSL VPN IPv4 address pool prefix length	N/A	Unsigned integer. Value range: 1 to 30.	N/A
Ipv4AcNumber	Referenced IPv4 advanced ACL number	N/A	Unsigned integer. Value range: 3000 to 3999.	New feature, not compatible with the old table.
Ipv6AcNumber	Referenced IPv6	N/A	Unsigned integer.	New feature, not

Column name	Column description	Column type	Data type and restrictions	Remarks
er	advanced ACL number		Value rangd: 3000 to 3999.	compatible with the old table.
AccessRoute	Route issued to the client	Data structure	Members include: <ul style="list-style-type: none"> RouteType. RouteList. Ipv4Address. Ipv4PrefixLength. 	N/A
RouteType	The way how the route is specified	N/A	Enumeration: <ul style="list-style-type: none"> 1—Route list. 2—IPv4 address. 	N/A
ForceAll	Whether the force all is enabled	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
RouteList	SSL VPN route list name	N/A	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.	N/A
Ipv4Address	Destination IPv4 address of the route	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
Ipv4PrefixLength	IPv4 address prefix length	N/A	Unsigned integer. Value range: 0 to 32.	N/A
URIACLName	SSL VPN URI ACL name	N/A	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	New feature, not compatible with the old table.

SSLVPN/Sessions

This table contains SSL VPN session information.

XML structure

```

<SSLVPN>
  <Sessions>
    <Session>
      <ContextName></ContextName>
      <UserName></UserName>
      <SessionID></SessionID>
      <UserAddressType></UserAddressType>
      <UserIpv4Address></UserIpv4Address>
      <UserIpv6Address></UserIpv6Address>
      <ConnNumber></ConnNumber>
    </Session>
  </Sessions>
</SSLVPN>

```

```

    <PGroupName></PGroupName>
    <IdleTimeout></IdleTimeout>
    <CreatedTime></CreatedTime>
    <LastUsedTime></LastUsedTime>
    <TerminalInfo></TerminalInfo>
  </Session>
</Sessions>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	Sessions
Table type	Multi-instance table
Row name	Session
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
UserName	Username	Index	String. Length: 1 to 63 characters.	N/A
SessionID	User session ID	Index	Unsigned integer. Value range: 1 to 4294967295.	The ID is used only for sequencing. It is randomly assigned.
UserAddress Type	Whether the user address is an IPv6 address	N/A	Boolean: <ul style="list-style-type: none"> false—IPv4. true—IPv6. 	N/A
UserIpv4Address	User IPv4 address	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
UserIpv6Address	User IPv6 address	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.
ConnNumber	Number of connections for the user session	N/A	Unsigned integer.	N/A
PGroupName	SSL VPN policy group name	N/A	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			are \t \r \n ?.	
IdleTimeout	User connection idle timeout time	N/A	Unsigned integer. Value range: 60 to 86400, in seconds.	N/A
CreatedTime	Session creation time	N/A	DateTime. Format: YYYY-MM-DDTHH:MM:SS.	N/A
LastUsedTime	Session idle duration	N/A	Time. Format: HH:MM:SS.	N/A
TerminalInfo	TerminalInfo	N/A	String. Length: 1 to 20 characters.	N/A

SSLVPN/ContextStatistics

This table contains SSL VPN context session statistics.

XML structure

```

<SSLVPN>
  <ContextStatistics>
    <ContextStatistic>
      <ContextName></ContextName>
      <SessionNumber></SessionNumber>
    </ContextStatistic>
  </ContextStatistics>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	ContextStatistics
Table type	Multi-instance table
Row name	ContextStatistic
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ContextName	SSL VPN context	Index	String, case insensitive.

Column name	Column description	Column type	Data type and restrictions
	name		Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
SessionNumber	Number of user sessions for the SSL VPN context	N/A	Unsigned integer.

SSLVPN/URIACLs

This table contains SSL VPN URI ACL information.

XML structure

```

<SSLVPN>
  <URIACLs>
    <URIACL>
      <ContextName></ContextName>
      <URIACLName></URIACLName>
    </URIACL>
  </URIACLs >
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	URIACLs
Table type	Multi-instance table
Row name	URIACL
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
URIACLName	SSL VPN URI ACL name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).

SSLVPN/URIACLItems

This table contains SSL VPN URI ACL entry information.

XML structure

```
<SSLVPN>
  <URIACLItems>
    <URIACLItem>
      <ContextName></ContextName>
      <URIACLName></URIACLName>
      <RuleNumber></RuleNumber>
      <Action></Action>
      <Pattern></Pattern>
    </URIACLItem>
  </URIACLItems>
</SSLVPN>
```

Table description

Item	Description
Feature name	SSLVPN
Table name	URIACLItems
Table type	Multi-instance table
Row name	URIACLItem
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
URIACLName	SSL VPN URI ACL name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
RuleNumber	Rule ID	Index	Unsigned integer. Value range: 0 to 65534.
Action	Action	N/A	Unsigned integer. Value range: 1 to 2. <ul style="list-style-type: none">1—Permit.

Column name	Column description	Column type	Data type and restrictions
			<ul style="list-style-type: none"> 2—Deny.
Pattern	Rule pattern	N/A	String, case insensitive. Length: 1 to 256 characters.

SSLVPN/WebAcPolicys

This table contains SSL VPN Web access information for policy groups.

XML structure

```
<SSLVPN>
  <WebAcPolicys>
    <WebAcPolicy>
      <ContextName></ContextName>
      <PGroupName></PGroupName>
      <Ipv4AclNumber></Ipv4AclNumber>
      <Ipv6AclNumber></Ipv6AclNumber>
      <URIACLName></URIACLName>
    </WebAcPolicy>
  </WebAcPolicys>
</SSLVPN>
```

Table description

Item	Description
Feature name	SSLVPN
Table name	WebAcPolicys
Table type	Multi-instance table
Row name	WebAcPolicy
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
PGroupName	SSL VPN policy group name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid

Column name	Column description	Column type	Data type and restrictions
			characters are \t \r \n ?.
Ipv4AclNumber	Referenced IPv4 advanced ACL number	N/A	Unsigned integer. Value range: 3000 to 3999.
Ipv6AclNumber	Referenced IPv6 advanced ACL number	N/A	Unsigned integer. Value range: 3000 to 3999.
URIACLName	SSL VPN URI ACL name	N/A	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).

SSLVPN/UrlLists

This table contains SSL VPN URL list information for policy groups.

XML structure

```

<SSLVPN>
  <UrlLists>
    <UrlList>
      <ContextName></ContextName>
      <ListName></ListName>
      <Heading></Heading>
    </UrlList>
  </UrlLists>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	UrlLists
Table type	Multi-instance table
Row name	UrlList
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ContextName	SSL VPN context	Index	String, case insensitive.

Column name	Column description	Column type	Data type and restrictions
	name		Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
ListName	SSL VPN URL list name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.
Heading	SSL VPN URL list heading	N/A	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).

SSLVPN/UrlItems

This table contains SSL VPN URL entry information for policy groups.

XML structure

```

<SSLVPN>
  <UrlItems>
    <UrlItem>
      <ContextName></ContextName>
      <ListName></ListName>
      <UrlName></UrlName>
      <UrlValue></UrlValue>
      <URIACLName></URIACLName>
    </UrlItem>
  </UrlItems>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	UrlItems
Table type	Multi-instance table
Row name	UrlItem
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
ListName	SSL VPN URL list name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.
UrlName	URL name	Index	String, case insensitive. Length: 1 to 31 characters.
UrlValue	URL value	N/A	String, case insensitive. Length: 1 to 253 characters.
URIACLName	SSL VPN URI ACL name	N/A	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).

SSLVPN/UrlCtxItems

This table contains SSL VPN URL item configuration information.

XML structure

```

<SSLVPN>
  <UrlCtxItems>
    <UrlCtxItem>
      <ContextName></ContextName>
      <ItemName></ItemName>
      <UrlMapping>
        <MappingType></MappingType>
        <Domain></Domain>
        <GatewayName></GatewayName>
        <VirtualHost></VirtualHost>
        <Rewrite></Rewrite>
      </UrlMapping>
      <UrlValue></UrlValue>
      <URIACLName></URIACLName>
    </UrlCtxItem>
  </UrlCtxItems>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	UrlCtxItems
Table type	Multi-instance table
Row name	UrlCtxItem
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
ItemName	URL item name	Index	String, case insensitive. Length: 1 to 31 characters.	N/A
UrlMapping	URL mapping	Data structure	Members include: <ul style="list-style-type: none"> MappingType. Domain. GatewayName. VirtualHost. Rewrite. 	N/A
MappingType	URL mapping type	N/A	Enumeration: <ul style="list-style-type: none"> 1—domain mapping. 2—port mapping. 	N/A
Domain	Domain name specified for the domain mapping	N/A	String, case insensitive. Length: 1 to 127 characters. The string can contain only letters, digits, hyphens (-), underscores (_), and dots (.).	N/A
GatewayName	Gateway name specified for the port mapping	N/A	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
VirtualHost	Virtual host name specified for the associated gateway	N/A	String, case insensitive. Length: 1 to 127 characters. The string can contain only letters, digits, hyphens (-), underscores (_), and dots (.).	N/A
Rewrite	Whether absolute URL rewriting is	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. 	N/A

	enabled		<ul style="list-style-type: none"> false—Disabled. 	
UrlValue	URL string	N/A	String, case insensitive. Length: 1 to 253 characters.	N/A
URIACLName	SSL VPN URI ACL name	N/A	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores(_).	N/A

SSLVPN/UrlItemResources

This table contains SSL VPN URL item resource configuration information.

XML structure

```

<SSLVPN>
  <UrlItemResources>
    <UrlItemResource>
      <ContextName></ContextName>
      <UrlListName></UrlListName>
      <ItemName></ItemName>
    </UrlItemResource>
  </UrlItemResources>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	UrlItemResources
Table type	Multi-instance table
Row name	UrlItemResource
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores(_).	N/A
UrlListName	SSL VPN URL list name	Index	String, case insensitive. Length: 1 to 31 characters.	N/A

			The value can contain Chinese characters. Invalid characters are \t \r \n ?.	
ItemName	URL item name	Index	String, case insensitive. Length: 1 to 31 characters.	N/A

SSLVPN/SnatPools

This table contains SSL VPN SNAT pool information for policy groups.

XML structure

```
<SSLVPN>
  <SnatPools>
    <SnatPool>
      <Name></Name>
      <Ipv4AddressStart></Ipv4AddressStart>
      <Ipv4AddressEnd></Ipv4AddressEnd>
    </SnatPool>
  </SnatPools>
</SSLVPN>
```

Table description

Item	Description
Feature name	SSLVPN
Table name	SnatPools
Table type	Multi-instance table
Row name	SnatPool
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	SSL VPN SNAT pool name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
Ipv4AddressStart	Start IPv4 address of the SNAT pool	N/A	String, dotted decimal notation.	Example: 1.1.1.1. Ipv4AddressStart cannot be higher than Ipv4AddressEnd.
Ipv4AddressEnd	End IPv4 address of the	N/A	String, dotted decimal notation.	Example: 1.1.1.1.

Column name	Column description	Column type	Data type and restrictions	Remarks
	SNAT pool			

SSLVPN/Ipv6SnatPools

This table contains SSL VPN Ipv6 SNAT pool information for policy groups.

XML structure

```

<SSLVPN>
  <Ipv6SnatPools>
    <Ipv6SnatPool>
      <Name></Name>
      <Ipv6AddressStart></Ipv6AddressStart>
      <Ipv6AddressEnd></Ipv6AddressEnd>
    </Ipv6SnatPool>
  </Ipv6SnatPools>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	Ipv6SnatPools
Table type	Multi-instance table
Row name	Ipv6SnatPool
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	SSL VPN SNAT pool name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
Ipv6AddressStart	Start IPv6 address of the SNAT pool	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1. Ipv6AddressStart cannot be higher than Ipv6AddressEnd.
Ipv6AddressEnd	End IPv6 address of the SNAT pool	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.

SSLVPN/UrlResources

This table contains SSL VPN URL resource information for policy groups.

XML structure

```
<SSLVPN>
  <UrlResources>
    <UrlResource>
      <ContextName></ContextName>
      <PGroupName></PGroupName>
      <ListName></ListName>
    </UrlResource>
  </UrlResources>
</SSLVPN>
```

Table description

Item	Description
Feature name	SSLVPN
Table name	UrlResources
Table type	Multi-instance table
Row name	UrlResource
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
PGroupName	SSL VPN policy group name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.
ListName	SSL VPN URL list name	Index	String, case insensitive. Length: 1 to 31 characters. The value can contain Chinese characters. Invalid characters are \t \r \n ?.

SSLVPN/SnatResources

This table contains SSL VPN SNAT resource information for policy groups.

XML structure

```
<SSLVPN>
  <SnatResources>
    <SnatResource>
      <ContextName></ContextName>
      <SnatPoolName></SnatPoolName>
    </SnatResource>
  </SnatResources>
</SSLVPN>
```

Table description

Item	Description
Feature name	SSLVPN
Table name	SnatResources
Table type	Multi-instance table
Row name	SnatResource
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).
SnatPoolName	SSL VPN SNAT pool name	N/A	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).

SSLVPN/UserControls

This table contains SSL VPN user control information for policy groups.

XML structure

```
<SSLVPN>
```

```

<UserControls>
  <UserControl>
    <ContextName></ContextName>
    <MaxOnlineNum></MaxOnlineNum>
    <ForceLogout></ForceLogout>
    <SessionConnectionNum></SessionConnectionNum>
  </UserControl>
</UserControls>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	UserControls
Table type	Multi-instance table
Row name	UserControl
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
MaxOnlineNum	Maximum online number of each SSL VPN user for the context	N/A	Unsigned integer. Value range: 0 to 1048575.	If the maxOnlineNum is 0, the context doesn't control the maximum online number of each SSL VPN user.
ForceLogout	Whether the force logout is enabled	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled . 	N/A
SessionConnectionNum	Maximum number of connections for each session	N/A	Unsigned integer. Value range: 0, 10 to 1000.	If the SessionConnctionNum is 0, the context doesn't control the maximum number of connections for each session.

SSLVPN/Specification

This table contains information about the SSLVPN function specification.

XML structure

```
<SSLVPN>
  <Specifications>
    <ControllerType></ControllerType>
  </Specifications>
</SSLVPN>
```

Table description

Item	Description
Feature name	SSLVPN
Table name	Specifications
Table type	Single-instance table
Row name	N/A
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ControllerType	SSL VPN ControllerType	Column	Enumeration: <ul style="list-style-type: none">0—None.1—M9K.	N/A

SSLVPN/GlobalLog

This table contains SSLVPN global log configuration information.

XML structure

```
<SSLVPN>
  <GlobalLog>
    <GlobalLogEnable></GlobalLogEnable>
  </GlobalLog>
</SSLVPN>
```

Table description

Item	Description
Feature name	SSLVPN
Table name	GlobalLog
Table type	Single-instance table

Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GlobalLogEnable	Whether the global log is enabled	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A

SSLVPN/IpAcStatistics

This table contains SSLVPN IP access packet statistics for each user .

XML structure

```

<SSLVPN>
  <IpAcStatistics>
    <IpAcStatistic>
      <ContextName></ContextName>
      <UserName></UserName>
      <SessionID></SessionID>
      <UserAddressType></UserAddressType>
      <UserIpv4Address></UserIpv4Address>
      <UserIpv6Address></UserIpv6Address>
      <RecvReqPkts></RecvReqPkts>
      <SendReqPkts></SendReqPkts>
      <DropReqPkts></DropReqPkts>
      <RecvReplyPkts></RecvReplyPkts>
      <SendReplyPkts></SendReplyPkts>
      <DropReplyPkts></DropReplyPkts>
      <KeepalivePkts></KeepalivePkts>
      <KeepaliveReplyPkts></KeepaliveReplyPkts>
      <RecvUpdateCfgPkts></RecvUpdateCfgPkts>
      <SendUpdateCfgPkts></SendUpdateCfgPkts>
    </IpAcStatistic>
  </IpAcStatistics>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN
Table name	IpAcStatistics

Table type	Multi-instance table
Row name	IpAcStatistic
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
UserName	Username	Index	String. Length: 1 to 63 characters.	N/A
SessionID	User session ID	Index	Unsigned integer. Value range: 1 to 4294967295.	The ID is used only for sequencing. It is randomly assigned.
UserAddress Type	Type of user address	N/A	Enumeration: <ul style="list-style-type: none"> 1—IPv4. 2—IPv6. 	N/A
UserIpv4Address	User IPv4 address	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
UserIpv6Address	User IPv6 address	N/A	Hexadecimal string, colon-separated.	Example: 1:1::1:1.
RecvReqPkts	Number of received IP access request packets during a specific period	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
SendReqPkts	Number of sent IP access request packets during a specific period	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
DropReqPkts	Number of dropped IP access request packets during a specific period	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
RecvReplyPkts	Number of received IP access reply packets during a specific period	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
SendReplyPkts	Number of sent IP access reply packets during a specific period	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
DropReplyPkt	Number of dropped IP	N/A	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
s	access reply packets during a specific period		Value range: 0 to $2^{64} - 1$.	
KeepalivePkts	Number of keepalive packets during a specific period	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
KeepaliveReplyPkts	Number of keepalive reply packets during a specific period	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
RecvUpdateCfgPkts	Number of received configuration updating reply packets during a specific period	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
SendUpdateCfgPkts	Number of sent configuration updating reply packets during a specific period	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

SSLVPN/IpAcContextStatistics

This table contains IP access packet statistics for each SSL VPN context.

XML structure

```

<SSLVPN>
  <IpAcContextStatistics>
    <IpAcContextStatistic>
      <ContextName></ContextName>
      <ClientInBytes></ClientInBytes>
      <ClientOutBytes></ClientOutBytes>
      <ServerInBytes></ServerInBytes>
      <ServerOutBytes></ServerOutBytes>
    </IpAcContextStatistic>
  </IpAcContextStatistics>
</SSLVPN>

```

Table description

Item	Description
Feature name	SSLVPN

Table name	IpAcContextStatistics
Table type	Multi-instance table
Row name	IpAcContextStatistic
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ContextName	SSL VPN context name	Index	String, case insensitive. Length: 1 to 31 characters. The string can contain only letters, digits, and underscores (_).	N/A
ClientInBytes	Number of IP access request bytes received from client during a specific period	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
ClientOutBytes	Number of IP access reply bytes sent to client during a specific period	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
ServerInBytes	Number of IP access reply bytes received from server during a specific period	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
ServerOutBytes	Number of IP access request packet bytes sent to server during a specific period	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

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Tacacs

Tacacs/GlobalNasIps

TACACS global NAS IP information table.

XML structure

```
<Tacacs>
  <GlobalNasIps>
    <GlobalNasIp>
      <VRF></VRF>
      <IpType></IpType>
      <IpAddress></IpAddress>
    </GlobalNasIp>
  </GlobalNasIps>
</Tacacs>
```

Table description

Item	Description
Feature name	Tacacs
Table name	GlobalNasIps
Table type	Multi-instance table
Row name	GlobalNasIp
Restrictions	The maximum number of global NAS IP addresses is 16.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VRF name	Index	String. Length: 1 to 31 characters.	N/A
IpType	Source IP address type	Index	Enumeration: <ul style="list-style-type: none">0—IPv4.1—IPv6.	N/A
IpAddress	Source IP address	N/A	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated.	IPv4 example: 1.0.0.1 IPv6 example: 2001:12::1:2

Tacacs/Schemes

TACACS scheme table.

XML structure

```
<Tacacs>
  <Schemes>
    <Scheme>
      <SchemeName></SchemeName>
      <RealAcctInterval></RealAcctInterval>
      <TimeOut></TimeOut>
      <QuietTime></QuietTime>
      <UserNameFormat></UserNameFormat>
      <BytesUnit></BytesUnit>
      <PacketsUnit></PacketsUnit>
      <NasIpv4Address></NasIpv4Address>
      <NasIpv6Address></NasIpv6Address>
      <AuthenKey></AuthenKey>
      <AuthorKey></AuthorKey>
      <AcctKey></AcctKey>
      <VRF></VRF>
    </Scheme>
  </Schemes>
</Tacacs>
```

Table description

Item	Description
Feature name	Tacacs
Table name	Schemes
Table type	Multi-instance table
Row name	Scheme
Restrictions	The maximum number of TACACS schemes is 16.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SchemeName	TACACS scheme name	Index	String, case-insensitive. Length: 1 to 32 characters.	N/A
RealAcctInterval	Realtime accounting	N/A	Unsigned integer.	Default: 12 minutes.

Column name	Column description	Column type	Data type and restrictions	Remarks
	interval		Value range: 0 to 60, in minutes.	The value of 0 indicates that the device does not send realtime accounting information for online users to TACACS servers.
TimeOut	TACACS server response timeout timer	N/A	Unsigned integer. Value range: 1 to 300, in seconds.	Default: 5 seconds
QuietTime	Quiet timer for the servers specified in the TACACS scheme	N/A	Unsigned integer. Value range: 1 to 255, in minutes.	Default: 5 minutes
UserNameFormat	Format of user names to be sent to TACACS servers	N/A	Enumeration: <ul style="list-style-type: none"> 0—keep-original. 1—with-domain. 2—without-domain. 	Default: 1
BytesUnit	Data flow measurement unit for traffic statistics	N/A	Enumeration: <ul style="list-style-type: none"> 0—byte. 1—kilo-byte. 2—mega-byte. 3—giga-byte. 	Default: 0
PacketsUnit	Packet measurement unit for traffic statistics	N/A	Enumeration: <ul style="list-style-type: none"> 0—one-packet. 1—kilo-packet. 2—mega-packet. 3—giga-packet. 	Default: 0
NasIpv4Address	Source IPv4 IP address for outgoing TACACS packets	N/A	String in dotted decimal notation.	For example, 10.1.1.1.
NasIpv6Address	Source IPv6 IP address for outgoing TACACS packets	N/A	Hexadecimal string, colon-separated.	For example, 2001:12::22:33.
AuthenKey	Shared key for secure TACACS authentication communication	N/A	In non-FIPS mode, the shared key is a string of 1 to 255 characters. In FIPS mode, the shared key is a string of 15 to 255 characters that must contain digits, uppercase letters, lowercase letters, and special characters.	N/A
AuthorKey	Shared key for secure HWTACACS	N/A	In non-FIPS mode, the shared key is a string of 1 to 255 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	authorization communication		In FIPS mode, the shared key is a string of 15 to 255 characters that must contain digits, uppercase letters, lowercase letters, and special characters.	
AcctKey	Shared key for secure TACACS accounting communication	N/A	In non-FIPS mode, the shared key is a string of 1 to 255 characters. In FIPS mode, the shared key is a string of 15 to 255 characters that must contain digits, uppercase letters, lowercase letters, and special characters.	N/A
VRF	VRF name	N/A	String. Length: 1 to 31 characters.	Default: Public network

Tacacs/AuthServers

TACACS authentication server table.

XML structure

```

<Tacacs>
  <AuthServers>
    <AuthServer>
      <SchemeName></SchemeName>
      <Priority></Priority>
      <VRF></VRF>
      <IpType></IpType>
      <Host></Host>
      <Port></Port>
      <Key></Key>
      <SingleConn></SingleConn>
    </AuthServer>
  </AuthServers>
</Tacacs>

```

Table description

Item	Description
Feature name	Tacacs
Table name	AuthServers
Table type	Multi-instance table
Row name	AuthServer

Restrictions	You can configure one primary authentication server and a maximum of 16 secondary authentication servers for backup in each TACACS scheme. To change the primary authentication server, delete the existing primary server, and then configure a new primary server.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SchemeName	TACACS scheme name	Index	String, case-insensitive. Length: 1 to 32 characters.	N/A
Priority	Priority	Index	Enumeration: <ul style="list-style-type: none"> 0—Primary authentication server. 1—Secondary authentication server. 	N/A
VRF	VRF name	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A
IpType	Type of the TACACS authentication server address	Index	Enumeration: <ul style="list-style-type: none"> 0—IPv4. 1—IPv6. 2—FQDN. 	The value 2 for IpType is not supported currently. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Host	TACACS authentication server	Index	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated. FQDN: String of 1 to 255 characters.	When the IpType value is 0, this column represents the IPv4 address of the server. When the IpType value is 1, this column represents the IPv6 address of the server. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Port	Service port number of the TACACS authentication server	Index	Unsigned integer. Value range: 1 to 65535.	Default: 49
Key	Shared key for secure TACACS authentication communication	N/A	In non-FIPS mode, the shared key is a string of 1 to 255 characters. In FIPS mode, the shared key is a string of 15 to 255 characters that must	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			contain digits, uppercase letters, lowercase letters, and special characters.	
SingleConn	Whether to use the same TCP connection for authentication packet exchange for all users	N/A	Boolean: <ul style="list-style-type: none"> true false 	Default: false

Tacacs/AuthorServers

TACACS authorization server table.

XML structure

```

<Tacacs>
  <AuthorServers>
    <AuthorServer>
      <SchemeName></SchemeName>
      <Priority></Priority>
      <VRF></VRF>
      <IpType></IpType>
      <Host></Host>
      <Port></Port>
      <Key></Key>
      <SingleConn></SingleConn>
    </AuthorServer>
  </AuthorServers>
</Tacacs>

```

Table description

Item	Description
Feature name	Tacacs
Table name	AuthorServers
Table type	Multi-instance table
Row name	AuthorServer
Restrictions	You can configure one primary authorization server and a maximum of 16 secondary authorization servers for backup in each TACACS scheme. To change the primary authorization server, delete the existing primary server, and then configure a new primary server.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SchemeName	TACACS scheme name	Index	String, case-insensitive. Length: 1 to 32 characters.	N/A
Priority	Priority	Index	Enumeration: <ul style="list-style-type: none"> 0—Primary authorization server. 1—Secondary authorization server. 	N/A
VRF	VRF name	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A
IpType	Type of the TACACS authorization server address	Index	Enumeration: <ul style="list-style-type: none"> 0—IPv4. 1—IPv6. 2—FQDN. 	The value 2 for IpType is not supported currently. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Host	TACACS authorization server	Index	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated. FQDN: String of 1 to 255 characters.	When the IpType value is 0, this column represents the IPv4 address of the server. When the IpType value is 1, this column represents the IPv6 address of the server. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Port	Service port number of the TACACS authorization server.	Index	Unsigned integer. Value range: 1 to 65535.	Default: 49
Key	Shared key for secure HWTACACS authentication communication	N/A	In non-FIPS mode, the shared key is a string of 1 to 255 characters. In FIPS mode, the shared key is a string of 15 to 255 characters that must contain digits, uppercase letters, lowercase letters, and special characters.	N/A
SingleConn	Whether to use the same TCP connection for authorization packet exchange for	N/A	Boolean: <ul style="list-style-type: none"> true false 	Default: false

Column name	Column description	Column type	Data type and restrictions	Remarks
	all users			

Tacacs/AcctServers

TACACS accounting server table.

XML structure

```

<Tacacs>
  <AcctServers>
    <AcctServer>
      <SchemeName></SchemeName>
      <Priority></Priority>
      <VRF></VRF>
      <IpType></IpType>
      <Host></Host>
      <Port></Port>
      <Key></Key>
      <SingleConn></SingleConn>
    </AcctServer>
  </AcctServers>
</Tacacs>

```

Table description

Item	Description
Feature name	Tacacs
Table name	AcctServers
Table type	Multi-instance table
Row name	AcctServer
Restrictions	You can configure one primary accounting server and a maximum of 16 backup accounting servers for backup in each TACACS. To change the primary accounting server, delete the existing primary server, and then configure a new primary server.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SchemeName	TACACS	Index	String, case-insensitive.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	scheme name		Length: 1 to 32 characters.	
Priority	Priority	Index	Enumeration: <ul style="list-style-type: none"> 0—Primary accounting server. 1—Secondary accounting server. 	N/A
VRF	VRF name	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A
IpType	Type of the TACACS accounting server address	Index	Enumeration: <ul style="list-style-type: none"> 0—IPv4. 1—IPv6. 2—FQDN. 	The value 2 for IpType is not supported currently. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Host	TACACS accounting server	Index	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated. FQDN: String of 1 to 255 characters.	When the IpType value is 0, this column represents the IPv4 address of the server. When the IpType value is 1, this column represents the IPv6 address of the server. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Port	Service port number of the TACACS accounting server	Index	Unsigned integer. Value range: 1 to 65535.	Default: 49
Key	Shared key for secure TACACS accounting communication	N/A	In non-FIPS mode, the shared key is a string of 1 to 255 characters. In FIPS mode, the shared key is a string of 15 to 255 characters that must contain digits, uppercase letters, lowercase letters, and special characters.	N/A
SingleConn	Whether to use the same TCP connection for accounting packet exchange for all users	N/A	Boolean: <ul style="list-style-type: none"> true false 	Default: false

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Tacacs

Tacacs/GlobalNasIps

TACACS global NAS IP information table.

XML structure

```
<Tacacs>
  <GlobalNasIps>
    <GlobalNasIp>
      <VRF></VRF>
      <IpType></IpType>
      <IpAddress></IpAddress>
    </GlobalNasIp>
  </GlobalNasIps>
</Tacacs>
```

Table description

Item	Description
Feature name	Tacacs
Table name	GlobalNasIps
Table type	Multi-instance table
Row name	GlobalNasIp
Restrictions	The maximum number of global NAS IP addresses is 16.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VRF name	Index	String. Length: 1 to 31 characters.	N/A
IpType	Source IP address type	Index	Enumeration: <ul style="list-style-type: none">• 0—IPv4.• 1—IPv6.	N/A
IpAddress	Source IP address	N/A	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated.	IPv4 example: 1.0.0.1 IPv6 example: 2001:12::1:2

Tacacs/Schemes

TACACS scheme table.

XML structure

```
<Tacacs>
  <Schemes>
    <Scheme>
      <SchemeName></SchemeName>
      <RealAcctInterval></RealAcctInterval>
      <TimeOut></TimeOut>
      <QuietTime></QuietTime>
      <UserNameFormat></UserNameFormat>
      <BytesUnit></BytesUnit>
      <PacketsUnit></PacketsUnit>
      <NasIpv4Address></NasIpv4Address>
      <NasIpv6Address></NasIpv6Address>
      <VRF></VRF>
    </Scheme>
  </Schemes>
</Tacacs>
```

Table description

Item	Description
Feature name	Tacacs
Table name	Schemes
Table type	Multi-instance table
Row name	Scheme
Restrictions	The maximum number of TACACS schemes is 16.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SchemeName	TACACS scheme name	Index	String, case-insensitive. Length: 1 to 32 characters.	N/A
RealAcctInterval	Realtime accounting interval	N/A	Unsigned integer. Value range: 0 to 60, in minutes.	Default: 12 minutes. The value of 0 indicates that the device does not send realtime accounting information for online users to TACACS servers.

Column name	Column description	Column type	Data type and restrictions	Remarks
TimeOut	TACACS server response timeout timer	N/A	Unsigned integer. Value range: 1 to 300, in seconds.	Default: 5 seconds
QuietTime	Quiet timer for the servers specified in the TACACS scheme	N/A	Unsigned integer. Value range: 1 to 255, in minutes.	Default: 5 minutes
UserNameFormat	Format of user names to be sent to TACACS servers	N/A	Enumeration: <ul style="list-style-type: none"> • 0—keep-original. • 1—with-domain. • 2—without-domain. 	Default: 1
BytesUnit	Data flow measurement unit for traffic statistics	N/A	Enumeration: <ul style="list-style-type: none"> • 0—byte. • 1—kilo-byte. • 2—mega-byte. • 3—giga-byte. 	Default: 0
PacketsUnit	Packet measurement unit for traffic statistics	N/A	Enumeration: <ul style="list-style-type: none"> • 0—one-packet. • 1—kilo-packet. • 2—mega-packet. • 3—giga-packet. 	Default: 0
NasIpv4Address	Source IPv4 IP address for outgoing TACACS packets	N/A	String in dotted decimal notation.	For example, 10.1.1.1.
NasIpv6Address	Source IPv6 IP address for outgoing TACACS packets	N/A	Hexadecimal string, colon-separated.	For example, 2001:12::22:33.
VRF	VRF name	N/A	String. Length: 1 to 31 characters.	Default: Public network

Tacacs/AuthServers

TACACS authentication server table

XML structure

```

<Tacacs>
  <AuthServers>
    <AuthServer>
      <SchemeName></SchemeName>
      <Priority></Priority>
      <VRF></VRF>
    </AuthServer>
  </AuthServers>
</Tacacs>

```

```

    <IpType></IpType>
    <Host></Host>
    <Port></Port>
    <SingleConn></SingleConn>
    <State></State>
  </AuthServer>
</AuthServers>
</Tacacs>

```

Table description

Item	Description
Feature name	Tacacs
Table name	AuthServers
Table type	Multi-instance table
Row name	AuthServer
Restrictions	You can configure one primary authentication server and a maximum of 16 secondary authentication servers for backup in each TACACS scheme. To change the primary authentication server, delete the existing primary server, and then configure a new primary server.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SchemeName	TACACS scheme name	Index	String, case-insensitive. Length: 1 to 32 characters.	N/A
Priority	Priority	Index	Enumeration: <ul style="list-style-type: none"> 0—Primary authentication server. 1—Secondary authentication server. 	N/A
VRF	VRF name	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A
IpType	Type of the TACACS authentication server address	Index	Enumeration: <ul style="list-style-type: none"> 0—IPv4. 1—IPv6. 2—FQDN. 	The value 2 for IpType is not supported currently. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Host	TACACS authentication server	Index	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated. FQDN: String of 1 to 255	When the IpType value is 0, this column represents the IPv4 address of the server. When the IpType value is 1, this column represents

Column name	Column description	Column type	Data type and restrictions	Remarks
			characters.	the IPv6 address of the server. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Port	Service port number of the TACACS authentication server.	Index	Unsigned integer. Value range: 1 to 65535.	Default: 49
SingleConn	Whether to use the same TCP connection for authentication packet exchange for all users	N/A	Boolean: <ul style="list-style-type: none"> true false 	Default: false
State	Status of the TACACS authentication server	N/A	Enumeration: <ul style="list-style-type: none"> 0—Active. 1—Block. 	Default: 0

Tacacs/AuthorServers

TACACS authorization server table.

XML structure

```

<Tacacs>
  <AuthorServers>
    <AuthorServer>
      <SchemeName></SchemeName>
      <Priority></Priority>
      <VRF></VRF>
      <IpType></IpType>
      <Host></Host>
      <Port></Port>
      <SingleConn></SingleConn>
      <State></State>
    </AuthorServer>
  </AuthorServers>
</Tacacs>

```

Table description

Item	Description
Feature name	Tacacs
Table name	AuthorServers
Table type	Multi-instance table
Row name	AuthorServer
Restrictions	You can configure one primary authorization server and a maximum of 16 secondary authorization servers for backup in each TACACS scheme. To change the primary authorization server, delete the existing primary server, and then configure a new primary server.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SchemeName	TACACS scheme name	Index	String, case-insensitive. Length: 1 to 32 characters.	N/A
Priority	Priority	Index	Enumeration: <ul style="list-style-type: none"> 0—Primary authorization server.. 1—Secondary authorization server. 	N/A
VRF	VRF name	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A
IpType	Type of the TACACS authorization server address	Index	Enumeration: <ul style="list-style-type: none"> 0—IPv4. 1—IPv6. 2—FQDN. 	The value 2 for IpType is not supported currently. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Host	TACACS authorization server	Index	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated. FQDN: String of 1 to 255 characters.	When the IpType value is 0, this column represents the IPv4 address of the server. When the IpType value is 1, this column represents the IPv6 address of the server. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Port	Service port number of the TACACS	Index	Unsigned integer. Value range: 1 to 65535.	Default: 49

Column name	Column description	Column type	Data type and restrictions	Remarks
	authorization server			
SingleConn	Whether to use the same TCP connection for authorization packet exchange for all users	N/A	Boolean: <ul style="list-style-type: none"> true false 	Default: false
State	Status of the TACACS authorization server	N/A	Enumeration: <ul style="list-style-type: none"> 0—Active. 1—Block. 	Default: 0

Tacacs/AcctServers

TACACS accounting server table.

XML structure

```

<Tacacs>
  <AcctServers>
    <AcctServer>
      <SchemeName></SchemeName>
      <Priority></Priority>
      <VRF></VRF>
      <IpType></IpType>
      <Host></Host>
      <Port></Port>
      <SingleConn></SingleConn>
      <State></State>
    </AcctServer>
  </AcctServers>
</Tacacs>

```

Table description

Item	Description
Feature name	Tacacs
Table name	AcctServers
Table type	Multi-instance table
Row name	AcctServer
Restrictions	You can configure one primary accounting server and a maximum of 16 backup accounting servers for backup in each TACACS. To change the primary accounting server, delete the existing primary server, and then

	configure a new primary server.
--	---------------------------------

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SchemeName	TACACS scheme name	Index	String, case-insensitive. Length: 1 to 32 characters.	N/A
Priority	Priority	Index	Enumeration: <ul style="list-style-type: none"> 0—Primary TACACS accounting server. 1—Secondary TACACS accounting server.. 	N/A
VRF	VRF name	Index	String, case-sensitive. Length: 1 to 31 characters.	N/A
IpType	Type of the TACACS accounting server address	Index	Enumeration: <ul style="list-style-type: none"> 0—IPv4. 1—IPv6. 2—FQDN. 	The value 2 for IpType is not supported currently. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Host	TACACS accounting server	Index	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated. FQDN: String of 1 to 255 characters.	When the IpType value is 0, this column represents the IPv4 address of the server. When the IpType value is 1, this column represents the IPv6 address of the server. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Port	Service port number of the TACACS accounting server.	Index	Unsigned integer. Value range: 1 to 65535.	Default: 49
SingleConn	Whether to use the same TCP connection for accounting packet exchange for all users	N/A	Boolean: <ul style="list-style-type: none"> true false 	Default: false

Column name	Column description	Column type	Data type and restrictions	Remarks
State	Status of the TACACS accounting server	N/A	Enumeration: <ul style="list-style-type: none"> 0—Active. 1—Block. 	Default: 0

Tacacs/Statistic/AuthServers

TACACS authentication server statistics table.

XML structure

```

<Tacacs>
  <Statistic>
    <AuthServers>
      <AuthServer>
        <VRF></VRF>
        <IpType></IpType>
        <Host></Host>
        <Port></Port>
        <LastRoundTripTime></LastRoundTripTime>
        <PendingRequest></PendingRequest>
        <Timeout></Timeout>
        <Request></Request>
        <ReqLogin></ReqLogin>
        <ReqChangePass></ReqChangePass>
        <ReqSendPass></ReqSendPass>
        <ReqSendAuth></ReqSendAuth>
        <Continue></Continue>
        <ContinueAbort></ContinueAbort>
        <Response></Response>
        <RespPass></RespPass>
        <RespFail></RespFail>
        <RespGetData></RespGetData>
        <RespGetUser></RespGetUser>
        <RespGetPass></RespGetPass>
        <RespRestart></RespRestart>
        <RespErr></RespErr>
        <RespFollow></RespFollow>
        <RespMalformed></RespMalformed>
        <RespUnknownType></RespUnknownType>
        <RespDropped></RespDropped>
      </AuthServer>
    </AuthServers>
  </Statistic>
</Tacacs>

```

Table description

Item	Description
Feature name	Tacacs
Table name	AuthServers
Table type	Multi-instance table
Row name	AuthServer
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VRF name	Index	String. Length: 1 to 31 characters.	N/A
IpType	Type of the TACACS authentication server address	Index	Enumeration: <ul style="list-style-type: none"> 0—IPv4. 1—IPv6. 2—FQDN. 	The value 2 for IpType is not supported currently. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Host	TACACS authentication server	Index	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated. FQDN: String of 1 to 255 characters.	When the IpType value is 0, this column represents the IPv4 address of the server. When the IpType value is 1, this column represents the IPv6 address of the server. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Port	Service port number of the TACACS authentication server	Index	Unsigned integer. Value range: 1 to 65535.	Default: 49
LastRoundTripTime	Time interval between the most recent response and request packets	N/A	Unsigned integer. Value range: 0 to 65535.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	exchanged with the TACACS authentication server			
PendingRequest	Number requests waiting for responses	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
Timeout	Number of requests for which no responses are received due to timeout	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
Request	Number of requests sent	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
ReqLogin	Number of login requests	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
ReqChangePass	Number of password change requests	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
ReqSendPass	Number of requests containing plaintext passwords	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
ReqSendAuth	Number of requests containing ciphertext passwords	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
Continue	Number of Continue packets	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
ContinueAbort	Number of Continue-Abort packets	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
Response	Number of received responses	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
RespPass	Number of Access-Accept messages	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
RespFail	Number of Access-Reject messages	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
RespGetData	Number of responses for acquiring data	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
RespGetUser	Number of responses for acquiring user names	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
RespGetPass	Number of responses for acquiring passwords	N/A	Unsigned integer. Value range: 0 to 65535.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
RespRestart	Number of responses that require reauthentication	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
RespErr	Number of failure responses	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
RespFollow	Number of Follow messages	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
RespMalformed	Number of invalid responses	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
RespUnknownType	Number of unknown types of responses	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
RespDropped	Number of discarded responses	N/A	Unsigned integer. Value range: 0 to 65535.	N/A

Tacacs/Statistic/AuthorServers

TACACS authorization server statistics table,

XML structure

```

<Tacacs>
  <Statistic>
    <AuthorServers>
      <AuthorServer>
        <VRF></VRF>
        <IpType></IpType>
        <Host></Host>
        <Port></Port>
        <LastRoundTripTime></LastRoundTripTime>
        <PendingRequest></PendingRequest>
        <Timeout></Timeout>
        <Request></Request>
        <Response></Response>
        <RespPassAdd></RespPassAdd>
        <RespPassRepl></RespPassRepl>
        <RespFail></RespFail>
        <RespErr></RespErr>
        <RespFollow></RespFollow>
        <RespMalformed></RespMalformed>
        <RespUnknownType></RespUnknownType>
        <RespDropped></RespDropped>
      </AuthorServer>
    </AuthorServers>
  </Statistic>
</Tacacs>

```

```

    </Statistic>
</Tacacs>

```

Table description

Item	Description
Feature name	Tacacs
Table name	AuthorServers
Table type	Multi-instance table
Row name	AuthorServer
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VRF name	Index	String. Length: 1 to 31 characters.	N/A
IpType	Type of the TACACS authorization server address	Index	Enumeration: <ul style="list-style-type: none"> 0—IPv4. 1—IPv6. 2—FQDN. 	The value 2 for IpType is not supported currently. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Host	TACACS authorization server	Index	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated. FQDN: String of 1 to 255 characters.	When the IpType value is 0, this column represents the IPv4 address of the server. When the IpType value is 1, this column represents the IPv6 address of the server. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Port	Service port number of the TACACS authentication server	Index	Unsigned integer. Value range: 1 to 65535.	Default: 49

Column name	Column description	Column type	Data type and restrictions	Remarks
LastRoundTripTime	Time interval between the most recent response and request packets exchanged with the TACACS authentication server	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
PendingRequests	Number of requests waiting for responses	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
Timeout	Number of requests for which no responses are received due to timeout	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
Request	Number of requests sent	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
Response	Number of received responses	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
RespPassAdd	Number of received responses that include more authorization attributes than the requests sent	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
RespPassRepl	Number of received responses with authorization attributes that cannot replace all the authorization attributes in the requests	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
RespFail	Number of failure responses	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
RespErr	Number of error responses	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
RespFollow	Number of Follow messages	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
RespMalformed	Number of invalid responses	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
RespUnknownType	Number of unknown types of responses	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
RespDropped	Number of discarded responses	N/A	Unsigned integer. Value range: 0 to 65535.	N/A

Tacacs/Statistic/AcctServers

TACACS accounting server statistics table.

XML structure

```
<Tacacs>
  <Statistic>
    <AcctServers>
      <AcctServer>
        <VRF></VRF>
        <IpType></IpType>
        <Host></Host>
        <Port></Port>
        <LastRoundTripTime></LastRoundTripTime>
        <PendingRequest></PendingRequest>
        <Timeout></Timeout>
        <Request></Request>
        <ReqStart></ReqStart>
        <ReqStop></ReqStop>
        <ReqUpdate></ReqUpdate>
        <ReqStartAndUpdate></ReqStartAndUpdate>
        <ReqMore></ReqMore>
        <Response></Response>
        <RespSuccess></RespSuccess>
        <RespErr></RespErr>
        <RespFollow></RespFollow>
        <RespMalformed></RespMalformed>
        <RespUnknownType></RespUnknownType>
        <RespDropped></RespDropped>
      </AcctServer>
    </AcctServers>
  </Statistic>
</Tacacs>
```

Table description

Item	Description
Feature name	Tacacs
Table name	AcctServers
Table type	Multi-instance table
Row name	AcctServer
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VRF name	Index	String. Length: 1 to 31 characters.	N/A
IpType	Type of the TACACS accounting server address	Index	Enumeration: <ul style="list-style-type: none"> • 0—IPv4. • 1—IPv6. • 2—FQDN. 	The value 2 for IpType is not supported currently. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Host	TACACS accounting server	Index	IPv4: String, dotted decimal notation. IPv6: Hexadecimal string, colon-separated. FQDN: String of 1 to 255 characters.	When the IpType value is 0, this column represents the IPv4 address of the server. When the IpType value is 1, this column represents the IPv6 address of the server. The value in this column is valid only when the IpType value is available. If either the IpType value or the Host value is unavailable, the system reports an error.
Port	Service port number of the TACACS accounting server.	Index	Unsigned integer. Value range: 1 to 65535.	Default: 49
LastRoundTripTime	Time interval between the most recent response and request packets exchanged with the TACACS accounting server	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
PendingRequests	Number of requests waiting for responses	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
Timeout	Number of requests for which no responses are received due to timeout	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
Request	Number of requests sent	N/A	Unsigned integer. Value range: 0 to 65535.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
ReqStart	Number of account-start packets sent	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
ReqStop	Number of accounting-stop packets sent	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
ReqUpdate	Number of accounting-update packets sent	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
ReqStartAndUpdate	Number of accounting-start packets containing assigned values	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
Response	Number of received responses	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
RespSuccess	Number of success responses received	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
RespErr	Number of error responses	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
RespFollow	Number of Follow messages	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
RespMalformed	Number of invalid responses	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
RespUnknownType	Number of unknown types of responses	N/A	Unsigned integer. Value range: 0 to 65535.	N/A
RespDropped	Number of discarded responses	N/A	Unsigned integer. Value range: 0 to 65535.	N/A

Tacacs/PasswordLimit

Requirements to meet when you configure passwords for the TACACS module.

XML structure

```

<Tacacs>
  <PasswordLimit>
    <MinLen></MinLen>
    <MaxLen></MaxLen>
    <MinTypeNum></MinTypeNum>
  </PasswordLimit>
</Tacacs>

```

Table description

Item	Description
Feature name	Tacacs
Table name	PasswordLimit
Table type	Single-instance table
Row name	None
Restrictions	<ul style="list-style-type: none"> The configuration takes effect on the following items: <ul style="list-style-type: none"> Tacacs/Schemes table <code><AuthenKey></AuthenKey></code> <code><AuthorKey></AuthorKey></code> <code><AcctKey></AcctKey></code> Tacacs/AuthServers table <code><Key></Key></code> Tacacs/AuthorServers table <code><Key></Key></code> Tacacs/AcctServers table <code><Key></Key></code> Data restrictions acquired in FIPS mode are different from the data restrictions acquired in non-FIPS mode.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
MinLen	The minimum password length	N/A	Unsigned integer.	N/A
MaxLen	The maximum password length	N/A	Unsigned integer.	N/A
MinTypeNum	Minimum number of character types that the password must contain	N/A	Unsigned integer.	Character types include digit, uppercase letter, lowercase letter, and special character. For example, if the value is set to 3, the password string must include three or more character types.

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XML structure	3
Table description	3
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XML structure	5
Table description	5
Columns	6

UFLT

UFLT/SignatureManualUpgrading

This table is used to update signature manually.

XML structure

```
<UFLT>
  <SignatureManualUpgrading>
    <URL></URL>
  </SignatureManualUpgrading>
</UFLT>
```

Table description

Item	Description
Feature name	UrlFilter
Table name	SignatureManualUpgrading
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
URL	URL	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A

UFLT/SignatureRollback

This table is used to rollback signature file.

XML structure

```
<UFLT>
  <SignatureRollback>
    <Rollback></Rollback>
  </SignatureRollback>
</UFLT>
```

Table description

Item	Description
Feature name	UrlFilter
Table name	SignatureRollback
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Rollback	Rollback flag	N/A	Enumeration: <ul style="list-style-type: none">0—Roll back to the original version1—Roll back to the last version	N/A

UFLT/PolicyCopy

This table is used to copy a policy to create a new policy

XML structure

```
<UFLT>
  <PolicyCopy>
    <Policy>
      <SrcPolicy></SrcPolicy>
      <DstPolicy></DstPolicy>
    </Policy>
  </PolicyCopy>
</UFLT>
```

Table description

Item	Description
Feature name	UFLT
Table name	PolicyCopy
Table type	Single-instance table
Row name	Policy

Restrictions	None
--------------	------

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
SrcPolicy	Source policy name	Index	String, case-insensitive. Length: 1 to 31 characters.	N/A
DstPolicy	Destination policy name	Index	String, case-insensitive. Length: 1 to 31 characters.	N/A

UFLT/PolicyRename

This table is used to rename a policy.

XML structure

```

<UFLT>
  <PolicyRename>
    <Policy>
      <PolicyOldName></PolicyOldName>
      <PolicyNewName></PolicyNewName>
    </Policy>
  </PolicyRename>
</UFLT>

```

Table description

Item	Description
Feature name	UFLT
Table name	PolicyRename
Table type	Single-instance table
Row name	Policy
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyOldName	Old name	Index	String, case-insensitive. Length: 1 to 31 characters.	N/A
PolicyNewName	New name	Index	String, case-insensitive. Length: 1 to 31 characters.	N/A

UFLT/CategoryRename

This table is used to rename a category.

XML structure

```
<UFLT>
  <CategoryRename>
    <Category>
      <CategoryOldName></CategoryOldName>
      <CategoryNewName></CategoryNewName>
    </Category>
  </CategoryRename>
</UFLT>
```

Table description

Item	Description
Feature name	UFLT
Table name	CategoryRename
Table type	Single-instance table
Row name	Category
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
CategoryOldName	Old name	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
CategoryNewName	New name	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A

UFLT/StatisticReset

This table is used to reset URL filter statistics

XML structure

```
<UFLT>
  <StatisticReset>
    <Reset/>
  </StatisticReset>
```

</UFLT>

Table description

Item	Description
Feature name	URL
Table name	StatisticReset
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Reset	Reset statistics information	N/A	This column must be empty.	N/A

UFLT/SignatureAutoUpgradeNow

This table is used to update signature automatically now.

XML structure

```
<UFLT>
  <SignatureAutoUpgradeNow>
    <AutoUpgradeNow></AutoUpgradeNow>
  </SignatureAutoUpgradeNow>
</UFLT>
```

Table description

Item	Description
Feature name	UrlFilter
Table name	SignatureAutoUpgradeNow
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AutoUpgradeNow	Immediate auto upgrade	N/A	This column must be empty.	N/A

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UFLT

UFLT/Policies

This table contains URL filter policy information

XML structure

```
<UFLT>
  <Policies>
    <Policy>
      <PolicyName></PolicyName>
      <DefaultAction></DefaultAction>
      <DefaultActInstance></DefaultActInstance>
      <DefaultActLoggingEnable></DefaultActLoggingEnable>
      <DefaultActLogging></DefaultActLogging>
      <CloudQuery></CloudQuery>
    </Policy>
  </Policies>
</UFLT>
```

Table description

Item	Description
Feature name	UFLT
Table name	Policies
Table type	Multi-instance table
Row name	Policy
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of the URL filter policy	Index	String: case-insensitive. Length: 1 to 31 characters.	N/A
DefaultAction	Default action	N/A	Enumeration: <ul style="list-style-type: none">0—Permit.1—Drop.2—Reset.3—Redirect.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 4—Block. 	
DefaultActInstance	Default action Instance	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
DefaultActLoggingEnable	Default action logging switch	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
DefaultActLogging	Default action logging instance	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
CloudQuery	CloudQuering	N/A	Enumeration: <ul style="list-style-type: none"> 0—Enable. 1—Disable. 	N/A

UFLT/PolicyFilter

This table contains information about URL filter category in a policy

XML structure

```

<UFLT>
  <PolicyFilter>
    <Filter>
      <PolicyName></PolicyName>
      <CategoryName></CategoryName>
      <Action></Action>
      <Instance></Instance>
      <LoggingEnable></LoggingEnable>
      <Logging></Logging>
    </Filter>
  </PolicyFilter>
</UFLT>

```

Table description

Item	Description
Feature name	UFLT
Table name	PolicyFilter
Table type	Multi-instance table
Row name	Filter
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of the URL filter policy	Index	String, case-insensitive. Length: 1 to 31 characters.	N/A
CategoryName	Name of the URL filter category	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Action	Action type	N/A	Enumeration: <ul style="list-style-type: none">• 0—Permit.• 1—Drop.• 2—Reset.• 3—Redirect.• 4—Block.	N/A
Instance	Instance name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
LoggingEnable	Whether logging is enabled or disabled	N/A	Enumeration: <ul style="list-style-type: none">• 0—Disable.• 1—Enable.	N/A
Logging	Logging instance	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A

UFLT/PolicyInProfile

This table contains information about a URL filter policy used by an APP profile.

XML structure

```
<UFLT>
  <PolicyInProfile>
    <Policy>
      <ProfileName></ProfileName>
      <PolicyName></PolicyName>
    </Policy>
  </PolicyInProfile>
</UFLT>
```

Table description

Item	Description
Feature name	UFLT
Table name	PolicyInProfile
Table type	Single-instance table
Row name	Policy

Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ProfileName	Name of the profile	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
PolicyName	Name of the URL filter policy	N/A	String, case-insensitive. Length: 1 to 31 characters.	N/A

UFLT/Categories

This table contains information about the URL filter category.

XML structure

```

<UFLT>
  <Categories>
    <Category>
      <CategoryName></CategoryName>
      <Critical></Critical>
      <CategoryType></CategoryType>
      <Description></Description>
      <PreCategoryReferred></PreCategoryReferred>
      <PreCategoryID></PreCategoryID>
    </Category>
  </Categories>
</UFLT>

```

Table description

Item	Description
Feature name	UFLT
Table name	Categories
Table type	Multi-instance table
Row name	Category
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
CategoryName	Name of the URL filter category	Index	String: case-insensitive. Length: 1 to 63 characters.	N/A
Critical	Critical	N/A	Unsigned short.	N/A
CategoryType	Category type	N/A	Enumeration: <ul style="list-style-type: none">0—Pre-define.1—User-define.	N/A
Description	Description	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A
PreCategoryReferred	Referenced previous defined category	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
PreCategoryID	Previous defined category ID	N/A	Unsigned short.	N/A

UFLT/RuleInCategory

This table contains information about the URL filter rule in a category.

XML structure

```
<UFLT>
  <RuleInCategory>
    <Rule>
      <CategoryName></CategoryName>
      <RuleID></RuleID>
      <HostType></HostType>
      <HostName></HostName>
      <URIType></URIType>
      <URIStrng></URIStrng>
    </Rule>
  </RuleInCategory>
</UFLT>
```

Table description

Item	Description
Feature name	UFLT
Table name	RuleInCategory
Table type	Multi-instance table
Row name	Rule

Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
CategoryName	Name	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
RuleID	RuleID	Index	Unsigned integer. Value range: 1 to 65535.	N/A
HostType	Host type	N/A	Enumeration: <ul style="list-style-type: none"> 1—Text. 2—Regex. 	N/A
HostName	Host name	N/A	If host type is text: <ul style="list-style-type: none"> String, case-insensitive. Length: 3 to 224 characters. If host type is regex: <ul style="list-style-type: none"> OctectString. Length: 3 to 224 characters. 	N/A
URIType	URI type	N/A	Enumeration: <ul style="list-style-type: none"> 1—Text. 2—Regex. 	N/A
URIString	URI string	N/A	If URI type is text: <ul style="list-style-type: none"> String, case-insensitive. Length: 3 to 255 characters. If URI type is regex: <ul style="list-style-type: none"> OctectString. Length: 3 to 253 characters. 	N/A

UFLT/BlackWhiteList

This table contains information about blacklist and whitelist.

XML structure

```

<UFLT>
  <BlackWhiteList>
    <PolicyRule>
      <PolicyName></PolicyName>
      <BlackOrWhite></BlackOrWhite>
      <RuleID></RuleID>
      <HostType></HostType>
      <HostName></HostName>
      <URIType></URIType>
      <URIString></URIString>
    </PolicyRule>
  </BlackWhiteList>
</UFLT>

```

```

    </PolicyRule>
  </BlackWhiteList>
</UFLT>

```

Table description

Item	Description
Feature name	UFLT
Table name	BlackWhiteList
Table type	Multi-instance table
Row name	PolicyRule
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Policy name	Index	String, case-insensitive. Length: 1 to 31 characters.	Case insensitive.
BlackOrWhite	Blacklist or whitelist	Index	Enumeration: <ul style="list-style-type: none"> 1—Whitelist. 2—Blacklist. 	N/A
RuleID	Rule ID	Index	Unsigned integer. Value range: 1 to 65535.	N/A
HostType	Host type	N/A	Enumeration: <ul style="list-style-type: none"> 1—Text. 2—Regex. 	N/A
HostName	Host name	N/A	If host type is text: <ul style="list-style-type: none"> String, case-insensitive. Length: 3 to 224 characters. If URI type is regex: <ul style="list-style-type: none"> OctectString. Length: 3 to 224 characters. 	N/A
URIType	URI type	N/A	Enumeration: <ul style="list-style-type: none"> 1—Text. 2—Regex. 	N/A
URI String	URI string	N/A	If URI type is text: <ul style="list-style-type: none"> String, case-insensitive. Length: 3 to 245 characters. If URI type is regex: <ul style="list-style-type: none"> OctectString. 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> Length: 3 to 245 characters. 	

UFLT/SignatureAutoUpgrading

This table contains information about auto upgrading of URL filter signatures.

XML structure

```

<UFLT>
  <SignatureAutoUpgrading>
    <Enabled></Enabled>
    <StartTime></StartTime>
    <Type></Type>
    <Day></Day>
  </SignatureAutoUpgrading>
</UFLT>

```

Table description

Item	Description
Feature name	UFLT
Table name	SignatureAutoUpgrading
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Enabled	Enabled or disabled	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	Default is false.
StartTime	Time when the system performs auto upgrading	N/A	Time. Format: HH:MM:SS.	Default: 02:00:00.
Type	Type of the system auto upgrading	N/A	Enumeration: <ul style="list-style-type: none"> 0—Week. 1—Periodic. 	Default: 1.

Column name	Column description	Column type	Data type and restrictions	Remarks
Day	Days	N/A	Unsigned integer. Value range: 0 to 6.	When Type is 0 , the value range is 0 to 6. Otherwise, the value is invalid.

UFLT/CacheConfig

This table contains information about the cache configuration.

XML structure

```
<UFLT>
  <CacheConfig>
    <DomainName></DomainName>
  </CacheConfig>
</UFLT>
```

Table description

Item	Description
Feature name	UFLT
Table name	CacheConfig
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DomainName	Domain name	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A

UFLT/ActionInstance

This table contains action instance information.

XML structure

```
<UFLT>
```

```

<ActionInstance>
  <InstanceConfig>
    <ActionType></ActionType>
    <InstanceName></InstanceName>
  </InstanceConfig>
</ActionInstance>
</UFLT>

```

Table description

Item	Description
Feature name	UFLT
Table name	ActionInstance
Table type	Multi -instance table
Row name	InstanceConfig
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ActionType	Action	Index	Enumeration: <ul style="list-style-type: none"> 1—Logging. 2—Redirect. 3—Block. 	N/A
InstanceName	Instance name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A

UFLT/CloudQueryConfig

This table contains cloud query configuration.

XML structure

```

<UFLT>
  <CloudQueryConfig>
    <HostName></HostName>
    <CacheSize></CacheSize>
    <CacheTime></CacheTime>
  </CloudQueryConfig>
</UFLT>

```

Table description

Item	Description
Feature name	UFLT
Table name	CloudQueryConfig
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
HostName	Name of the host	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A
CacheSize	Size of the cache	N/A	Unsigned integer. Value range: 8192 to 65535.	N/A
CacheTime	Lifetime of the cached entries	N/A	Unsigned integer. Value range: 10 to 720.	N/A

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UFLT

UFLT/Policies

This table contains URL filter policy information

XML structure

```
<UFLT>
  <Policies>
    <Policy>
      <PolicyName></PolicyName>
      <DefaultAction></DefaultAction>
      <DefaultActInstance></DefaultActInstance>
      <DefaultActLoggingEnable></DefaultActLoggingEnable>
      <DefaultActLogging></DefaultActLogging>
      <CloudQuery></CloudQuery>
    </Policy>
  </Policies>
</UFLT>
```

Table description

Item	Description
Feature name	UFLT
Table name	Policies
Table type	Multi-instance table
Row name	Policy
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of the URL filter policy	Index	String: case-insensitive. Length: 1 to 31 characters.	N/A
DefaultAction	Default action	N/A	Enumeration: <ul style="list-style-type: none">• 0—Permit.• 1—Drop.• 2—Reset.• 3—Redirect.• 4—Block.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
DefaultActInstance	Default action Instance	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
DefaultActLoggingEnable	Default action logging switch	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
DefaultActLogging	Default action logging instance	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
CloudQuery	CloudQuering	N/A	Enumeration: <ul style="list-style-type: none"> 0—Enable. 1—Disable. 	N/A

UFLT/PolicyFilter

This table contains information about URL filter category in a policy

XML structure

```

<UFLT>
  <PolicyFilter>
    <Filter>
      <PolicyName></PolicyName>
      <CategoryName></CategoryName>
      <Action></Action>
      <Instance></Instance>
      <LoggingEnable></LoggingEnable>
      <Logging></Logging>
    </Filter>
  </PolicyFilter>
</UFLT>

```

Table description

Item	Description
Feature name	UFLT
Table name	PolicyFilter
Table type	Multi-instance table
Row name	Filter
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of the URL filter policy	Index	String, case-insensitive. Length: 1 to 31 characters.	N/A
CategoryName	Name of the URL filter category	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Action	Action type	N/A	Enumeration: <ul style="list-style-type: none">• 0—Permit.• 1—Drop.• 2—Reset.• 3—Redirect.• 4—Block.	N/A
Instance	Instance name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
LoggingEnable	Whether logging is enabled or disabled	N/A	Enumeration: <ul style="list-style-type: none">• 0—Disable.• 1—Enable.	N/A
Logging	Logging instance	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A

UFLT/PolicyInProfile

This table contains information about a URL filter policy used by an APP profile.

XML structure

```
<UFLT>
  <PolicyInProfile>
    <Policy>
      <ProfileName></ProfileName>
      <PolicyName></PolicyName>
    </Policy>
  </PolicyInProfile>
</UFLT>
```

Table description

Item	Description
Feature name	UFLT
Table name	PolicyInProfile
Table type	Single-instance table
Row name	Policy

Restrictions	None
--------------	------

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ProfileName	Name of the profile	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
PolicyName	Name of the URL filter policy	N/A	String, case-insensitive. Length: 1 to 31 characters.	N/A

UFLT/Categories

This table contains information about the URL filter category.

XML structure

```

<UFLT>
  <Categories>
    <Category>
      <CategoryName></CategoryName>
      <Critical></Critical>
      <CategoryType></CategoryType>
      <Description></Description>
      <PreCategoryReferred></PreCategoryReferred>
      <PreCategoryID></PreCategoryID>
    </Category>
  </Categories>
</UFLT>

```

Table description

Item	Description
Feature name	UFLT
Table name	Categories
Table type	Multi-instance table
Row name	Category
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
CategoryName	Name of the URL filter category	Index	String: case-insensitive. Length: 1 to 63 characters.	N/A
Critical	Critical	N/A	Unsigned short.	N/A
CategoryType	Category type	N/A	Enumeration: <ul style="list-style-type: none"> 0—Pre-define. 1—User-define. 	N/A
Description	Description	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A
PreCategoryReferred	Referenced previous defined category	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
PreCategoryID	Previous defined category ID	N/A	Unsigned short.	N/A

UFLT/RuleInCategory

This table contains information about the URL filter rule in a category.

XML structure

```

<UFLT>
  <RuleInCategory>
    <Rule>
      <CategoryName></CategoryName>
      <RuleID></RuleID>
      <HostType></HostType>
      <HostName></HostName>
      <URIType></URIType>
      <URIStrng></URIStrng>
    </Rule>
  </RuleInCategory>
</UFLT>

```

Table description

Item	Description
Feature name	UFLT
Table name	RuleInCategory
Table type	Multi-instance table
Row name	Rule

Restrictions	None
--------------	------

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
CategoryName	Name	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
RuleID	RuleID	Index	Unsigned integer. Value range: 1 to 65535.	N/A
HostType	Host type	N/A	Enumeration: <ul style="list-style-type: none"> 1—Text. 2—Regex. 	N/A
HostName	Host name	N/A	If host type is text: <ul style="list-style-type: none"> String, case-insensitive. Length: 3 to 224 characters. If host type is regex: <ul style="list-style-type: none"> OctectString. Length: 3 to 224 characters. 	N/A
URIType	URI type	N/A	Enumeration: <ul style="list-style-type: none"> 1—Text. 2—Regex. 	N/A
URIString	URI string	N/A	If URI type is text: <ul style="list-style-type: none"> String, case-insensitive. Length: 3 to 255 characters. If URI type is regex: <ul style="list-style-type: none"> OctectString. Length: 3 to 253 characters. 	N/A

UFLT/Statistic

This table contains the information about URL filter statistic.

XML structure

```

<UFLT>
  <Statistic>
    <TotalRequests></TotalRequests>
    <PermittedRequests></PermittedRequests>
    <DeniedRequests></DeniedRequests>
    <MatchedBlacklist></MatchedBlacklist>
    <MatchedWhitelist></MatchedWhitelist>
    <MatchedUDEFCategory></MatchedUDEFCategory>
    <MatchedPDEFCategory></MatchedPDEFCategory>
    <MatchedCacheAction></MatchedCacheAction>
    <MatchedDefaultAction></MatchedDefaultAction>
  
```

```

        <PDEFURLNumbers></PDEFURLNumbers>
    </Statistic>
</UFLT>

```

Table description

Item	Description
Feature name	UFLT
Table name	Statistic
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
TotalRequests	Total HTTP Requests	N/A	Unsigned integer64.	N/A
PermittedRequests	Total Permitted Requests	N/A	Unsigned integer64.	N/A
DeniedRequests	Total Denied Requests	N/A	Unsigned integer64.	N/A
MatchedBlacklist	Total Matched Blacklist	N/A	Unsigned integer64.	N/A
MatchedWhitelist	Total Matched Whitelist	N/A	Unsigned integer64.	N/A
MatchedUDEFCategory	Matched User-defined Category	N/A	Unsigned integer64.	N/A
MatchedPDEFCategory	Matched Pre-defined Category	N/A	Unsigned integer64.	N/A
MatchedCacheAction	Matched Cache Action	N/A	Unsigned integer64.	N/A
MatchedDefaultAction	Matched Default Action	N/A	Unsigned integer64.	N/A
PDEFURLNumbers	Pre-defined URL Rule Numbers	N/A	Unsigned integer64.	N/A

UFLT/BlackWhiteList

This table contains information about blacklist and whitelist.

XML structure

```
<UFLT>
  <BlackWhiteList>
    <PolicyRule>
      <PolicyName></PolicyName>
      <BlackOrWhite></BlackOrWhite>
      <RuleID></RuleID>
      <HostType></HostType>
      <HostName></HostName>
      <URIType></URIType>
      <URIString></URIString>
    </PolicyRule>
  </BlackWhiteList>
</UFLT>
```

Table description

Item	Description
Feature name	UFLT
Table name	BlackWhiteList
Table type	Multi-instance table
Row name	PolicyRule
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Policy name	Index	String, case-insensitive. Length: 1 to 31 characters.	Case insensitive
BlackOrWhite	Blacklist or whitelist	Index	Enumeration: <ul style="list-style-type: none">1—Whitelist.2—Blacklist.	N/A
RuleID	Rule ID	Index	Unsigned integer: Value range: 1 to 65535.	N/A
HostType	Host type	N/A	Enumeration: <ul style="list-style-type: none">1—Text.2—Regex.	N/A
HostName	Host name	N/A	If host type is text: <ul style="list-style-type: none">String, case-insensitive.Length: 3 to 224 characters. If URI type is regex: <ul style="list-style-type: none">OctectString.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> Length: 3 to 224 characters. 	
URIType	URI type	N/A	Enumeration: <ul style="list-style-type: none"> 1—Text. 2—Regex. 	N/A
URI String	URI string	N/A	If URI type is text: <ul style="list-style-type: none"> String, case-insensitive. Length: 3 to 245 characters. If URI type is regex: <ul style="list-style-type: none"> OctectString. Length: 3 to 245 characters. 	N/A

UFLT/CacheConfig

This table contains information about the cache configuration.

XML structure

```

<UFLT>
  <CacheConfig>
    <DomainName></DomainName>
  </CacheConfig>
</UFLT>

```

Table description

Item	Description
Feature name	UFLT
Table name	CacheConfig
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DomainName	Domain name	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A

UFLT/SignatureAutoUpgrading

This table contains information about auto upgrading of URL filter signatures.

XML structure

```
<UFLT>
  <SignatureAutoUpgrading>
    <Enabled></Enabled>
    <StartTime></StartTime>
    <Type></Type>
    <Day></Day>
  </SignatureAutoUpgrading>
</UFLT>
```

Table description

Item	Description
Feature name	UFLT
Table name	SignatureAutoUpgrading
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Enabled	Enabled or disabled	N/A	Boolean: <ul style="list-style-type: none">truefalse	Default is false.
StartTime	Time when the system performs auto upgrading	N/A	Time. Format: HH:MM:SS.	Default: 02:00:00.
Type	Type of the system auto upgrading	N/A	Enumeration: <ul style="list-style-type: none">0—Week.1—Periodic.	Default: 1.
Day	Days	N/A	Unsigned integer. Value range: 0 to 6.	When Type is 0, the value range is 0 to 6. Otherwise, the value is invalid.

UFLT/UpdatePercentage

This table contains the information of the percent of upgrading.

XML structure

```
<UFLT>
  <UpdatePercentage>
    <Percentage></Percentage>
    <ErrorCode></ErrorCode>
  </UpdatePercentage>
</UFLT>
```

Table description

Item	Description
Feature name	UFLT
Table name	UpdatePercentage
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Percentage	The percentage of updating	N/A	Unsigned integer. Value range: 0 to 100.	When the value range is 0 to 100, it means in upgrading. Otherwise, means error.
ErrorCode	Error of update	N/A	Enumeration: <ul style="list-style-type: none">0—Success.1—License check error.2—SigFile check error.3—Server connect error.	N/A

UFLT/SignatureFileInfos

This table contains the signature file information.

XML structure

```
<UFLT>
  <SignatureFileInfos>
    <FileInfo>
```



```

    <Version></Version>
    <FileName></FileName>
    <PublishedTime></PublishedTime>
    <Updates></Updates>
  </FileInfo>
</SignatureFileInfos>
</UFLT>

```

Table description

Item	Description
Feature name	UFLT
Table name	SignatureFileInfos
Table type	Multi-instance table
Row name	FileInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Version	Version	Index	Enumeration: <ul style="list-style-type: none"> 1—current. 2—last. 3—factory. 	N/A
FileName	File Name	N/A	String: case-insensitive. Length: 1 to 255 characters.	N/A
PublishedTime	Published Time	N/A	DateTime. Format: YYYY-MM-DDTHH:MM:SS.	N/A
Updates	Update information	N/A	String: case-insensitive. Length: 1 to 255 characters.	N/A

UFLT/ActionInstance

This table contains URL filter action instance information.

XML structure

```

<UFLT>
  <ActionInstance>
    <InstanceConfig>
      <ActionType></ActionType>
      <InstanceName></InstanceName>
    </InstanceConfig>
  </ActionInstance>
</UFLT>

```

```

    </ActionInstance>
  </UFLT>

```

Table description

Item	Description
Feature name	UFLT
Table name	ActionInstance
Table type	Multi -instance table
Row name	InstanceConfig
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ActionType	Action	Index	Enumeration: <ul style="list-style-type: none"> 1—Logging. 2—Redirect. 3—Block. 	N/A
InstanceName	Instance name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A

UFLT/CloudQueryConfig

This table contains cloud query configure information.

XML structure

```

<UFLT>
  <CloudQueryConfig>
    <HostName></HostName>
    <CacheSize></CacheSize>
    <CacheTime></CacheTime>
  </CloudQueryConfig>
</UFLT>

```

Table description

Item	Description
Feature name	UFLT
Table name	CloudQueryConfig
Table type	Single-instance table
Row name	None

Restrictions	None
--------------	------

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
HostName	Name of the host	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A
CacheSize	Size of the cache	N/A	Unsigned integer. Value range: 8192 to 65535.	N/A
CacheTime	Lifetime of the cached entries	N/A	Unsigned integer. Value range: 10 to 720.	N/A

UFLT/CloudQueryState

This table contains cloud query status information.

XML structure

```

<UFLT>
  <CloudQueryState>
    <HostName></HostName>
    <HostState></HostState>
    <HostStateErrCode></HostStateErrCode>
    <VersionState></VersionState>
  </CloudQueryState>
</UFLT>

```

Table description

Item	Description
Feature name	UFLT
Table name	CloudQueryState
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
HostName	Name of the host	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
HostState	Status of the host	N/A	Enumeration: <ul style="list-style-type: none"> 0—Available. 1—Unavailable. 	N/A
HostStateErrCode	Error code of cloud query	N/A	Unsigned integer. Value range: 0 to 3.	N/A
VersionState	Comparison between the local signature version and cloud query result	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A

UFLT/ParentCategories

This table contains information about the URL filter ParentCategory.

XML structure

```

<UFLT>
  <ParentCategories>
    <ParentCategory>
      <ParentCategoryName></ParentCategoryName>
      <PreCategoryIDs>
        <PreCategoryID></PreCategoryID>
      </PreCategoryIDs>
    </ParentCategory>
  </ParentCategories>
</UFLT>

```

Table description

Item	Description
Feature name	UFLT
Table name	ParentCategories
Table type	Multi-instance table
Row name	ParentCategory
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ParentCategoryName	Name of the predefined	Index	String, case-insensitive.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	parent category		Length: 1 to 63 characters.	
PreCategoryIDs	List of predefined category ID	Data structure	Members include: <ul style="list-style-type: none"> PreCategoryID 	N/A
PreCategoryID	Predefined category ID	N/A	Unsigned short. Value range: 0 to 255.	N/A

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Resource Summary for UFLT

Resource(Table)	Base URL	HTTP Method			
		GET	POST	PUT	DELETE
Policies	/api/v1/UFLT/Policies	Y	Y	Y	Y
PolicyInProfile	/api/v1/UFLT/PolicyInProfile	Y	Y	Y	Y
PolicyFilter	/api/v1/UFLT/PolicyFilter	Y	Y	Y	Y
Categories	/api/v1/UFLT/Categories	Y	Y	Y	Y
RuleInCategory	/api/v1/UFLT/RuleInCategory	Y	Y	Y	Y
Statistic	/api/v1/UFLT/Statistic	Y	N	N	N
SignatureFileInfos	/api/v1/UFLT/SignatureFileInfos	Y	N	N	N
SignatureAutoUpgrading	/api/v1/UFLT/SignatureAutoUpgrading	Y	N	Y	N
UpdatePercentage	/api/v1/UFLT/UpdatePercentage	Y	N	N	N
ActionInstance	/api/v1/UFLT/ActionInstance	Y	Y	Y	Y
CacheConfig	/api/v1/UFLT/CacheConfig	Y	Y	N	Y
BlackWhiteList	/api/v1/UFLT/BlackWhiteList	Y	Y	Y	Y
CloudQueryConfig	/api/v1/UFLT/CloudQueryConfig	Y	Y	Y	Y
CloudQueryState	/api/v1/UFLT/CloudQueryState	Y	N	N	N
ParentCategories	/api/v1/UFLT/ParentCategories	Y	N	N	N

UFLT

Policies

This table contains URL filter policy information.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of the URL filter policy	Index	String, case-insensitive. Length: 1 to 31 characters.	N/A
DefaultAction	Default rules action	N/A	Enumeration: <ul style="list-style-type: none">• 0—Permit.• 1—Drop.• 2—Reset.• 3—Redirect.• 4—Block.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
DefaultActInstance	Default rules action Instance	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
DefaultActLoggingEnable	Default rules loggingEnable	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disable. 1—Enable. 	N/A
DefaultActLogging	Default rules logging instance	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
CloudQuery	Cloud querying	N/A	Enumeration: <ul style="list-style-type: none"> 1—Enable. 2—Disable. 	N/A

Example

Example 1: Get data from resource table.

JSON Request

GET /api/v1/UFLT/Policies?index=PolicyName%3D1

JSON Response

200 OK

```
{
  "Policies" :
  [{
    "PolicyName" : "1"
    "DefaultAction" : 0
    "DefaultActInstance" : "default"
    "DefaultActLoggingEnable" : 1
    "DefaultActLogging" : "log"
    "CloudQuery" : 1
  }]
}
```

Example 2: Add new Instance for resource table.

JSON Request

POST /api/v1/UFLT/Policies

```
{
  "Policies" :
```



```
[{
  "PolicyName" : "2"
  "DefaultAction" : 0
  "DefaultActInstance" : "default"
  "DefaultActLoggingEnable" : 1
  "DefaultActLogging" : "log"
  "CloudQuery" : 1
}]
}
```

JSON Response

201 Created

Example 3: Change the value of Description for the assigned instance.

JSON Request

PUT /api/v1/UFLT/Policies?index=PolicyName%3D2

```
{
  "Policies" :
  [{
    "PolicyName" : "2"
    "DefaultAction" : 1
    "DefaultActInstance" : "defau"
    "DefaultActLoggingEnable" : 0
    "DefaultActLogging" : "loging"
    "CloudQuery" : 2
  }]
}
```

JSON Response

204 No Content

Example 4: Delete the assigned instance from resource table.

JSON Request

DELETE /api/v1/UFLT/Policies?index=PolicyName%3D2

JSON Response

PolicyInProfile

This table contains information about a URL filter policy used by an APP profile.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
ProfileName	Name of the profile	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
PolicyName	Name of the URL filter policy	N/A	String, case-insensitive. Length: 1 to 31 characters.	N/A

Example

Example 1: Get data from resource table.

JSON Request

GET /api/v1/UFLT/PolicyInProfile?index=ProfileName%3D1

JSON Response

200 OK

```
{
  "PolicyInProfile" :
  [{
    "ProfileName" : "1"
    "PolicyName" : "policy1"
  }]
}
```

Example 2: Add new instance to resource table.

JSON Request

POST /api/v1/UFLT/PolicyInProfile

```
{
  "PolicyOnProfile" :
  [{
    "ProfileName" : "2"
```

```
    "PolicyName" : "policy2"
  }
}
```

JSON Response

201 Created

Example 3: Change the value of PolicyName for the assigned instance.

JSON Request

PUT /api/v1/UFLT/PolicyInProfile?index=ProfileName%3D2

```
{
  "PolicyOnProfile" :
  [{
    "ProfileName" : "2"
    "PolicyName" : "policy3"
  }]
}
```

JSON Response

204 No Content

Example 4: Delete the assigned instance from resource table.

JSON Request

DELETE /api/v1/UFLT/PolicyInProfile?index=ProfileName%3D2

JSON Response

204 No Content

PolicyFilter

This table contains information about URL filter category in a policy.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Name of the URL filter policy	Index	String, case-insensitive. Length: 1 to 31 characters.	N/A
CategoryName	Name of the URL filter category	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Action	Action type	N/A	Enumeration: <ul style="list-style-type: none">• 0—Permit.• 1—Drop.• 2—Reset.• 3—Redirect.• 4—Block.	N/A
Instance	Instance name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
LoggingEnable	Whether the logging is enabled or disabled	N/A	Enumeration: <ul style="list-style-type: none">• 0—Disable.• 1—Enable.	N/A
Logging	Logging instance	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A

Example

Example 1: Get data from resource table.

JSON Request

GET /api/v1/UFLT/PolicyFilter?index=PolicyName%3Dp1%3BCategoryName%3Dc1

JSON Response

200 OK

```
{
  "PolicyFilter" :
  [{
    "PolicyName" : "p1"
    "CategoryName" : "c1"
    "Action" : 1
    "Instance" : "para"
    "LoggingEnable" : 1
    "Logging" : "log"
  }]
}
```

Example 2: Add new instance to resource table.

JSON Request

POST /api/v1/UFLT/PolicyFilter

```
{
  "PolicyFilter" :
  [{
    "PolicyName" : "p2"
    "CategoryName" : "c1"
    "Action" : 1
    "Instance" : "para"
    "LoggingEnable" : 1
    "Logging" : "log"
  }]
}
```

JSON Response

201 Created

Example 3: Change the value of Description for the assigned instance.

JSON Request

PUT /api/v1/UFLT/PolicyFilter?index=PolicyName%3Dp2%3BCategoryName%3c1

```
{
  "PolicyFilter" :
  [{
    "PolicyName" : "p2"
    "CategoryName" : "c1"
    "Action" : 2
    "Instance " : "reset"
    "LoggingEnable" : 1
    "Logging" : "log1"
  }]
}
```

JSON Response

204 No Content

Example 4: Delete the assigned instance from resource table.

JSON Request

DELETE /api/v1/UFLT/PolicyFilter?index=PolicyName%3Dp2%3BCategoryName%3c1

JSON Response

204 No Content

Categories

This table contains information about the URL filter category.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
CategoryName	Name of the URL filter category	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
Critical	Critical	N/A	Unsigned short.	N/A
CategoryType	Category type	N/A	Enumeration: <ul style="list-style-type: none">• 0—Pre-defined.• 1—User-defined.	N/A
Description	Description	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A
PreCategoryRef erred	Referenced previous defined category	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A
PreCategoryID	Previous defined category ID	N/A	Unsigned short.	N/A

Example

Example 1: Get data from resource table.

JSON Request

GET /api/v1/IPS/Categories?index=CategoryName%3Dc1

JSON Response

200 OK

```
{
  "Categories" :
  [{
```

```

    "CategoryName" : "c1"
    "Critical" : 1234
    "Description" : "des"
    "CategoryType" : 1
    "PreCategoryReferred" : "Pre-Arts"
    "PreCategoryID" : 29
  }}
}

```

Example 2: Add new instance to resource table.

JSON Request

POST /api/v1/UFLT/Categories

```

{
  "Categories" :
  [{
    "CategoryName" : "c2"
    "Critical" : 1235
    "Description" : "des"
    "CategoryType" : 1
    "PreCategoryReferred" : "Pre-Arts"
    "PreCategoryID" : 29
  }]
}

```

JSON Response

201 Created

Example 3: Change the value of Description for the assigned instance.

JSON Request

PUT /api/v1/UFLT/Categories?index=CategoryName%3Dc2

```

{
  "Categories" :
  [{
    "CategoryName" : "c2"
    "Critical" : 1236

```

```

    "Description" : "desc"
    "CategoryType" : 1
    "PreCategoryReferred" : "Pre-Chat"
    "PreCategoryID" : 30
  }}
}

```

JSON Response

204 No Content

Example 4: Delete the assigned instance from resource table.

JSON Request

DELETE /api/v1/UFLT/Categories?index=CategoryName%3Dc2

JSON Response

204 No Content

RuleInCategory

This table contains the information of the URL filter rule in specify category.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
CategoryName	Name	Index	String, case-insensitive. Length: 1 to 63 characters.	N/A
RuleID	RuleID	Index	Unsigned integer. Value range:1 to 65535.	N/A
HostType	Host type	N/A	Enumeration: <ul style="list-style-type: none"> 1—Text. 2—Regex. 	N/A
HostName	Host name	N/A	If host type is text: <ul style="list-style-type: none"> String, case-insensitive. Length: 3 to 224 characters. If host type is	N/A

			regex: <ul style="list-style-type: none"> • OctectString. • Length: 3 to 224 characters. 	
URIType	URI type	N/A	Enumeration: <ul style="list-style-type: none"> • 1—Text. • 2—Regex. 	N/A
URIStrng	URI string	N/A	If uri type is text: <ul style="list-style-type: none"> • String, case-insensitive. • Length: 3 to 255 characters. If uri type is regex: <ul style="list-style-type: none"> • OctectString. • Length: 3 to 253 characters. 	N/A

Example

Example 1: Get data from resource table.

JSON Request

GET /api/v1/UFLT/RuleInCategory?index=CategoryName%3Dc1%3BRuleID%3D1

JSON Response

200 OK

```
{
  "RuleInCategory" :
  [{
    "CategoryName" : "c1"
    "RuleID" : 1
    "HostType" : 1
    "HostName" : "news.sohu.com"
    "URIType" : 2
    "URIStrng" : "/upload/itoolbar/itoolbar"
  }]
}
```

Example 2: Add new instance to resource table.

JSON Request

POST /api/v1/UFLT/RuleInCategory

```
{
  "RuleInCategory" :
  [{
    "CategoryName" : "c2"
    "RuleID" : 1
    "HostType" : 2
    "HostName" : "chinaso.com"
    "URIType" : 2
    "URIString" : "/page/search.htm"
  }]
}
```

JSON Response

201 Created

Example 3: Change the value of Description for the assigned instance.

JSON Request

PUT /api/v1/UFLT/RuleInCategory?index=CategoryName%3Dc2%3BRuleID%3D1

```
{
  "RuleInCategory" :
  [{
    "CategoryName" : "c2"
    "RuleID" : 1
    "HostType" : 1
    "HostName" : "news.sohu.com"
    "URIType" : 2
    "URIString" : "/upload/itoolbar/itoolbar"
  }]
}
```

JSON Response

204 No Content

Example 4: Delete the assigned instance from resource table.

JSON Request

DELETE /api/v1/UFLT/RuleInCategory?index=CategoryName%3Dc2%3BRuleID%3D1

JSON Response

204 No Content

Statistic

This table contains information about URL filter statistics.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
TotalRequests	Total HTTP requests	N/A	Unsigned integer64.	N/A
PermittedRequests	Total permitted requests	N/A	Unsigned integer64.	N/A
DeniedRequests	Total denied requests	N/A	Unsigned integer64.	N/A
MatchedBlacklist	Total matched blacklist entries	N/A	Unsigned integer64.	N/A
MatchedWhitelist	Total matched whitelist entries	N/A	Unsigned integer64.	N/A
MatchedUDEFCategory	Matched user-defined category	N/A	Unsigned integer64.	N/A
MatchedPDEFCategory	Matched pre-defined category	N/A	Unsigned integer64.	N/A
MatchedCacheAction	Matched cache category action	N/A	Unsigned integer64.	N/A
MatchedDefaultAction	Matched default action	N/A	Unsigned integer64.	N/A
PDEFURLNumbers	Pre-defined URL rule numbers	N/A	Unsigned integer64.	N/A

Example

Example 1: Get data from resource table.

JSON Request

GET /api/v1/UFLT/Statistic?index=

JSON Response

200 OK

```
{
  "Statistic" :
  [{
```

```

    "TotalRequests" : 200
    "PermittedRequests" : 180
    "DeniedRequests" : 20
    "MatchedBlacklist" : 20
    "MatchedWhitelist" : 80
    "MatchedUDEFCategory" : 40
    "MatchedPDEFCategory" : 30
    "MatchedCacheAction" : 20
    "MatchedDefaultAction" : 10
    "PDEFURLNumbers" : 2000
  }
}

```

SignatureFileInfos

This table contains the signature file information.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
Version	Version	Index	Enumeration: <ul style="list-style-type: none"> 1—current. 2—last. 3—factory. 	N/A
FileName	File name	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A
PublishedTime	Published time	N/A	DateTime. Format: YYYY-MM-DDTHH:MM:SS.	N/A
Updates	Update information	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A

Example

Example 1: Get data from resource table.

JSON Request

```
GET /api/v1/UFLT/SignatureFileInfos?index=Version%3D1
```

JSON Response

```
200 OK
```

```
{
  "SignatureFileInfos" :
  [{
    "Version" : 1
    "FileName" : "1.0.0"
    "PublishedTime" : "1999-12-31T16:00:00"
    "Updates" : "1.0.0"
  }]
}
```

SignatureAutoUpgrading

This table contains information about auto upgrading of URL filter signatures.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
Enabled	Enabled or disabled	N/A	Boolean: <ul style="list-style-type: none"> true. false. 	Default: false.
StartTime	Time when the system performs auto upgrading	N/A	Time. Format: HH:MM:SS.	Default: 02:00:00.
Type	Type of the system auto upgrading	N/A	Enumeration: <ul style="list-style-type: none"> 0—Week. 1—Periodic. 	Default: 1.
Day	Days	N/A	Unsigned integer. Value range: 0 to 6.	When Type is 0 , the value range is 0 to 6. Otherwise, the value is invalid.

Example

Example 1: Get data from resource table.

JSON Request

GET /api/v1/UFLT/SignatureAutoUpgrading

JSON Response

200 OK

```
{
  "SignatureAutoUpgrading" :
```

```
[{
  "Enabled" : true
  "StartTime" : "02:00:00"
  "Type" : 1
  "Day" : 1
}]
}
```

Example 2: Change the value for the assigned instance.

JSON Request

PUT /api/v1/UFLT/SignatureAutoUpgrading

```
{
  "SignatureAutoUpgrading" :
  [{
    "Enabled" : true
    "StartTime" : "03:00:00"
    "Type" : 1
    "Day" : 2
  }]
}
```

JSON Response

204 No Content

UpdatePercentage

This table contains information about the upgrading process.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
Percentage	The percentage of updating	N/A	Unsigned integer. Value range: 0 to 100.	When the value range is 0 to 100, it means in upgrading, Otherwise, means error.
ErrorCode	Error of update	N/A	Enumeration:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 0—Success. 1—License check error. 2—SigFile check error. 3—Server connect error. 	

Example

Example 1: Get data from resource table.

JSON Request

GET /api/v1/UFLT/UpdatePercentage

JSON Response

200 OK

```
{
  "UpdatePercentage" :
  [{
    "Percentage" : 100
    "ErrorCode" : 0
  }]
}
```

ActionInstance

This table contains URL filter action instance information.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
ActionType	Action	Index	Enumeration: <ul style="list-style-type: none"> 1—Logging. 2—Redirect. 3—Block. 	N/A
InstanceName	Instance name	N/A	String, case-insensitive. Length: 1 to 63 characters.	N/A

Example

Example 1: Get data from resource table.

JSON Request

GET /api/v1/UFLT/ActionInstance?index=ActionType =%3D2

JSON Response

200 OK

```
{
  "ActionInstance" :
  [{
    "ActionType" : 2
    "InstanceName" : "url_redirect_default_parameter"
  }]
}
```

Example 2: Add new instance to resource table.

JSON Request

POST /api/v1/UFLT/ActionInstance

```
{
  "ActionInstance" :
  [{
    "ActionType" : 3
    "InstanceName" : "url_block_default_parameter"
  }]
}
```

JSON Response

201 Created

Example 3: Change the value of Description for the assigned instance.

JSON Request

PUT /api/v1/UFLT/ActionInstance?index=ActionType =%3D2

```
{
  "ActionInstance" :
  [{
    "ActionType" : 3
    "InstanceName" : "block"
  }]
}
```



```
}
```

JSON Response

204 No Content

Example 4: Delete the assigned instance from resource table.

JSON Request

DELETE /api/v1/UFLT/ActionInstance?index=ActionType =%3D2

JSON Response

204 No Content

CacheConfig

This table contains information about cache configuration.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
DomainName	Domain name	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A

Example

Example 1: Get data from resource table.

JSON Request

GET /api/v1/UFLT/CacheConfig?index=

JSON Response

200 OK

```
{
  "CacheConfig" :
  [{
    "DomainName" : "111.7.23.23"
  }]
}
```

Example 2: Add new instance for resource table.

JSON Request

POST /api/v1/UFLT/CacheConfig

```
{
  "CacheConfig" :
  [{
    "DomainName" : "111.7.23.23"
  }]
}
```

JSON Response

201 Created

Example 3: Delete the assigned instance from resource table.

JSON Request

DELETE /api/v1/UFLT/CacheConfig

JSON Response

204 No Content

BlackWhiteList

This table contains information about blacklist and whitelist.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
PolicyName	Policy name	Index	String, case-insensitive. Length: 1 to 31 characters.	Case insensitive
BlackOrWhite	Blacklist or whitelist	Index	Enumeration: <ul style="list-style-type: none">1—White.2—Black.	N/A
RuleID	RuleID	Index	Unsigned integer. Value range:1 to 65535.	N/A
HostType	Host type	N/A	Enumeration: <ul style="list-style-type: none">1—Text.2—Regex.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
HostName	Host name	N/A	If host type is text: String, case-insensitive. Length: 3 to 224 characters. If host type is regex: OctectString. Length: 3 to 224 characters.	N/A
URIType	URI type	N/A	Enumeration: <ul style="list-style-type: none"> 1—Text. 2—Regex. 	N/A
URIString	URI string	N/A	If uri type is text: <ul style="list-style-type: none"> String, case-insensitive. Length: 3 to 245 characters. If uri type is regex: <ul style="list-style-type: none"> OctectString. Length: 3 to 245 characters. 	N/A

Example

Example 1: Get data from resource table.

JSON Request

GET /api/v1/UFLT/BlackWhiteList?index=PolicyName%3Dp1%3BBlackOrWhite%3D1%3BRuleID%3D1

JSON Response

200 OK

```
{
  "BlackWhiteList":
  [{
    "PolicyName": "p1"
    "BlackOrWhite": 1
    "RuleID": 1
    "HostType": 1
    "HostName": "news.sohu.com"
    "URIType": 2
    "URIString": "/upload/itoolbar/itoolbar"
  }]
}
```

Example 2: Add new instance for resource table.

JSON Request

POST /api/v1/UFLT/BlackWhiteList

```
{
  "BlackWhiteList" :
  [{
    "PolicyName" : "p2"
    "BlackOrWhite" : 1
    "RuleID" : 1
    "HostType" : 2
    "HostName" : "chinaso.com"
    "URIType" : 2
    "URIString" : "/page/search.htm"
  }]
}
```

JSON Response

201 Created

Example 3: Change the value of Description for the assigned instance.

JSON Request

PUT /api/v1/UFLT/BlackWhiteList?index=PolicyName%3Dp2%3BBlackOrWhite%3D1%3BRuleID%3D1

```
{
  "RuleInCategory" :
  [{
    "PolicyName" : "p2"
    "BlackOrWhite" : 1
    "RuleID" : 1
    "HostType" : 1
    "HostName" : "news.sohu.com"
    "URIType" : 2
    "URIString" : "/upload/itoolbar/itoolbar"
  }]
}
```

JSON Response

204 No Content

Example 4: Delete the assigned instance from resource table.

JSON Request

DELETE /api/v1/UFLT/BlackWhiteList?index=PolicyName%3Dp2%3BBlackOrWhite%3D1%3BRuleID%3D1

JSON Response

204 No Content

CloudQueryConfig

This table contains information about cloud query configuration.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
HostName	Name of the host	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A
CacheSize	Size of the cache	N/A	Unsigned integer. Value range: 8192 to 65535.	N/A
CacheTime	Lifetime of the cached entries	N/A	Unsigned integer. Value range: 10 to 720.	N/A

Example

Example 1: Get data from resource table.

JSON Request

GET /api/v1/UFLT/CloudQueryConfig

JSON Response

200 OK

```
{
  "CloudQueryConfig" :
  [{
    "HostName" : "sec.h3c.com"
    "CacheSize" : 16384
```

```
    "CacheTime" : 10
  }
}
```

Example 2: Add new instance for resource table.

JSON Request

POST /api/v1/UFLT/CloudQueryConfig

```
{
  "CloudQueryConfig" :
  [{
    "HostName" : "sec.h3c.com"
    "CacheSize" : 16384
    "CacheTime" : 10
  }]
}
```

JSON Response

201 Created

Example 3: Change the value of Description for the assigned instance.

JSON Request

PUT /api/v1/UFLT/CloudQueryConfig

```
{
  "CloudQueryConfig" :
  [{
    "HostName" : "sec.h3c.com"
    "CacheSize" : 16384
    "CacheTime" : 10
  }]
}
```

JSON Response

204 No Content

Example 4: Delete the assigned instance from resource table.

JSON Request

DELETE /api/v1/UFLT/CloudQueryConfig

JSON Response

204 No Content

CloudQueryState

This table contains information about cloud query state.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
HostName	Name of the host	N/A	String, case-insensitive. Length: 1 to 255 characters.	N/A
HostState	Status of the host	N/A	Enumeration: <ul style="list-style-type: none">• 0—Available.• 1—Unavailable.	N/A
HostStateErr Code	Error code of cloud query	N/A	Unsigned integer. Value range: 0 to 3.	N/A
VersionState	Comparison between the local signature version and cloud query result	N/A	Boolean: <ul style="list-style-type: none">• true.• false.	N/A

Example

Example 1: Get data from resource table.

JSON Request

GET /api/v1/UFLT/CloudQueryState

JSON Response

200 OK

```
{
  "CloudQueryState" :
  [{
    "HostName" : "sec.h3c.com"
    "HostState" : 0
  ]
}
```

```

        "HostStateErrCode" : 0
        "VersionState" : true
    }}
}

```

ParentCategories

This table contains information about the URL filter ParentCategory.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
ParentCategoryName	Name of the predefined parent category	Index	String: case-insensitive. Length: 1 to 63 characters.	N/A
PreCategoryIDs	List of predefined category ID	Data structure	Members include: <ul style="list-style-type: none"> PreCategoryID. 	N/A
PreCategoryID	Predefined category ID	N/A	Unsigned short. Value range: 0 to 255.	N/A

Example

Example 1: Get data from resource table.

JSON Request

GET /api/v1/UFLT/ParentCategories

JSON Response

200 OK

```

{
  "ParentCategories" :
  [{
    "ParentCategoryName" : "Game"
    "PreCategoryIDs" :
    [
      {"PreCategoryID" : 1}
      {"PreCategoryID" : 2}
    ]
  }]
}

```


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UserAccounts

UserAccounts/UserGroups

User group information table.

XML structure

```
<UserAccounts>
  <UserGroups>
    <Group>
      <Name></Name>
      <AuthorizationInfo>
        <AclNumber></AclNumber>
        <CallbackNumber></CallbackNumber>
        <FTPHomeDir></FTPHomeDir>
        <IdleTimeout></IdleTimeout>
        <PrimaryDNSServer></PrimaryDNSServer>
        <PrimaryDNSIpv6Server></PrimaryDNSIpv6Server>
        <SecondaryDNSServer></SecondaryDNSServer>
        <SecondaryDNSIpv6Server></SecondaryDNSIpv6Server>
        <URL></URL>
        <UserProfile></UserProfile>
        <VLANID></VLANID>
        <VRF></VRF>
        <IpPool></IpPool>
        <Ipv6Pool></Ipv6Pool>
      </AuthorizationInfo>
      <AuthorizationIpv6PrefixInfo>
        <Ipv6Address></Ipv6Address>
        <Ipv6PrefixLength></Ipv6PrefixLength>
      </AuthorizationIpv6PrefixInfo>
    </Group>
  </UserGroups>
</UserAccounts>
```

Table description

Item	Description
Feature name	UserAccounts
Table name	UserGroups
Table type	Multi-instance table
Row name	Group
Restrictions	None

Item	Description
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Group name	Index	String. Length: 0 to 32 characters.	The system has a predefined group named system .
AuthorizationInfo	Authorization information	Data structure	Members include: <ul style="list-style-type: none"> • AclNumber • CallbackNumber • FTPHomeDir • IdleTimeout • PrimaryDNSServer • SecondaryDNSServer • URL • UserProfile • VLANID • VRF • IpPool • Ipv6Pool 	N/A
AclNumber	ACL number	N/A	Unsigned integer. Value range: 2000 to 5999.	N/A
CallbackNumber	Callback number	N/A	String. Length: 1 to 64 characters.	N/A
FTPHomeDir	FTP home directory	N/A	String. Length: 1 to 255 characters.	By default, the user can access the root directory of the device, which varies by device model.
IdleTimeout	Idle time	N/A	Unsigned integer. Value range: 1 to 120, in minutes.	N/A
PrimaryDNSServer	Primary DNS server	N/A	IPv4: String, dotted decimal notation.	N/A
PrimaryDNSIpv6Server	Primary DNS Ipv6 server.	N/A	IPv6: Hexadecimal string, colon-separated.	N/A
SecondaryDNS Server	Secondary DNS server	N/A	IPv4: String, dotted decimal notation.	N/A
SecondaryDNSIpv6Server	Secondary DNS Ipv6 Server.	N/A	IPv6: Hexadecimal string, colon-separated.	N/A
URL	URL information	N/A	String. Length: 1 to 255 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
UserProfile	Name of the user profile	N/A	String. Length: 1 to 31 characters.	The name can contain only letters, digits, and underscores, and must begin with a letter.
VLANID	VLAN ID assigned to the local user	N/A	Unsigned integer. Value range: 1 to 4094.	N/A
VRF	Name of the VPN instance accessible to the local user	N/A	String. Length: 1 to 31 characters.	N/A
IpPool	Name of the IP address pool available to the local user	N/A	String. Length: 1 to 63 characters.	N/A
Ipv6Pool	Name of the IPv6 address pool available to the local user	N/A	String. Length: 1 to 63 characters.	N/A
AuthorizationIpv6PrefixInfo	IPv6 address prefix assigned to the local user	Data structure	Members include: <ul style="list-style-type: none"> Ipv6Address Ipv6PrefixLength 	N/A
Ipv6Address	IPv6 address prefix	N/A	Hexadecimal string, colon-separated.	For example, 2003:10::1:1. This column is valid only when the Ipv6PrefixLength column is configured at the same time.
Ipv6PrefixLength	IPv6 address prefix length	N/A	Unsigned integer. Value range: 1 to 128.	This column is valid only when the Ipv6Address column is configured at the same time.

UserAccounts/Management/Accounts

Management user information table.

XML structure

```

<UserAccounts>
  <Management>
    <Accounts>
      <Account>
        <Name></Name>
        <Password></Password>
        <GroupName></GroupName>
        <FTP></FTP>
      </Account>
    </Accounts>
  </Management>
</UserAccounts>

```

```

    <HTTP></HTTP>
    <HTTPS></HTTPS>
    <PAD></PAD>
    <SSH></SSH>
    <TELNET></TELNET>
    <Terminal></Terminal>
    <AccessLimit></AccessLimit>
    <FTPHomeDir></FTPHomeDir>
  </Account>
</Accounts>
</Management>
</UserAccounts>

```

Table description

Item	Description
Feature name	UserAccounts
Table name	Accounts
Table type	Multi-instance table
Row name	Account
Restrictions	GroupName must be obtained from the UserAccounts/UserGroups table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Local user name	Index	String, case-sensitive. Length: 1 to 55 characters.	The name cannot be a , al , or all , and cannot contain any of the following characters: \ / : * ? < > @
Password	Password of the local user	N/A	In non-FIPS mode, the password is a plaintext string of 1 to 63 characters. In FIPS mode, the password is a plaintext string of 15 to 63 characters. The string must contain digits, uppercase letters, lowercase letters, and special characters.	N/A
GroupName	User group to which the local user belongs	N/A	String. Length: 1 to 32 characters.	The default is system .

Column name	Column description	Column type	Data type and restrictions	Remarks
FTP	Whether the FTP service is available to the local user	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default is false.
HTTP	Whether the HTTP service is available to the local user	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default is false.
HTTPS	Whether the HTTPS service is available to the local user	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default is false.
PAD	Whether the PAD service is available to the local user	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default is false.
SSH	Whether the SSH service is available to the local user	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default is false.
TELNET	Whether the telnet service is available to the local user	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default is false.
Terminal	Whether the Terminal service is available to the local user	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default is false.
AccessLimit	The maximum number of concurrent online users	N/A	Unsigned integer. Value range: 1 to 1024.	N/A
FTPHomeDir	FTP home directory	N/A	String. Length: 1 to 255 characters.	The directory must already exist. By default, the user can access the root directory of the device, which varies by device model.

UserAccounts/Management/UserRoles

Management user role information table.

XML structure

```

<UserAccounts>
  <Management>
    <UserRoles>
      <UserRole>

```

```

        <UserName></UserName>
        <RoleName></RoleName>
    </UserRole>
</UserRoles>
</Management>
</UserAccounts>

```

Table description

Item	Description
Feature name	UserAccounts
Table name	UserRoles
Table type	Multi-instance table
Row name	UserRole
Restrictions	UserName must be obtained from the UserAccounts/Management/Accounts table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Local user name	Index	String, case-sensitive. Length: 1 to 55 characters.	The name cannot be a , al , or all , and cannot contain any of the following characters: \ / : * ? < > @
RoleName	User role name	Index	String. Length: 1 to 63 characters.	N/A

UserAccounts/Network/Accounts

Network user information table.

XML structure

```

<UserAccounts>
  <Network>
    <Accounts>
      <Account>
        <Name></Name>
        <Password></Password>
        <GroupName></GroupName>
        <ADVPN></ADVPN>
      </Account>
    </Accounts>
  </Network>
</UserAccounts>

```

```

<IPoE></IPoE>
<LanAccess></LanAccess>
<Portal></Portal>
<PPP></PPP>
<AccessLimit></AccessLimit>
<AuthorizationInfo>
  <AclNumber></AclNumber>
  <CallbackNumber></CallbackNumber>
  <IdleTimeout></IdleTimeout>
  <PrimaryDNSServer></PrimaryDNSServer>
  <PrimaryDNSIpv6Server></PrimaryDNSIpv6Server>
  <SecondaryDNSServer></SecondaryDNSServer>
  <SecondaryDNSIpv6Server></SecondaryDNSIpv6Server>
  <URL></URL>
  <UserProfile></UserProfile>
  <VLANID></VLANID>
  <VRF></VRF>
  <Ipv4Address></Ipv4Address>
  <Ipv6Address></Ipv6Address>
  <IpPool></IpPool>
  <Ipv6Pool></Ipv6Pool>
  <SSLVPNPolicy></SSLVPNPolicy>
</AuthorizationInfo>
<AuthorizationIpv6PrefixInfo>
  <Ipv6Address></Ipv6Address>
  <Ipv6PrefixLength></Ipv6PrefixLength>
</AuthorizationIpv6PrefixInfo>
<BindingInfo>
  <CallNumber></CallNumber>
  <Interface></Interface>
  <Ipv4Address></Ipv4Address>
  <MacAddress></MacAddress>
  <VLANID></VLANID>
</BindingInfo>
<ValidityDateTime>
  <StartValidityDateTime></StartValidityDateTime>
  <EndValidityDateTime></EndValidityDateTime>
</ValidityDateTime>
<SessTimeout></SessTimeout>
</Account>
</Accounts>
</Network>
</UserAccounts>

```

Table description

Item	Description
Feature name	UserAccounts

Item	Description
Table name	Accounts
Table type	Multi-instance table
Row name	Account
Restrictions	GroupName must be obtained from the UserAccounts/UserGroups table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Local user name	Index	String, case-sensitive. Length: 1 to 55 characters.	The name cannot be a , al , or all , and cannot contain any of the following characters: \ / : * ? < > @
Password	Password of the local user	N/A	In non-FIPS mode, the password is a plaintext string of 1 to 63 characters. In FIPS mode, the password is a plaintext string of 15 to 63 characters. The string must contain digits, uppercase letters, lowercase letters, and special characters.	The setting must be a plaintext password.
GroupName	User group to which the local user belongs	N/A	String. Length: 1 to 32 characters.	The default is system .
ADVPN	Whether the ADVPN service is available to the local user	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default is false.
IPoE	Whether the IPoE service is available to the local user	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default is false.
LanAccess	Whether the LAN access service is available to the local user	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default is false.
Portal	Whether the portal service is available to the local user	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default is false.
PPP	Whether the PPP service is available to the local user	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default is false.

Column name	Column description	Column type	Data type and restrictions	Remarks
AccessLimit	The maximum number of concurrent online users	N/A	Unsigned integer. Value range: 1 to 1024.	N/A
AuthorizationInfo	Authorization information	Data structure	Members include: <ul style="list-style-type: none"> • AclNumber • CallbackNumber • IdleTimeout • PrimaryDNSServer • SecondaryDNSServer • URL • UserProfile • VLANID • VRF • Ipv4Address • Ipv6Address • IpPool • Ipv6Pool • SSLVPNPolicy 	N/A
AclNumber	ACL number	N/A	Unsigned integer. Value range: 2000 to 5999.	N/A
CallbackNumber	Callback number	N/A	String. Length: 1 to 64 characters.	N/A
IdleTimeout	Idle time	N/A	Unsigned integer. Value range: 1 to 120, in minutes.	N/A
PrimaryDNSServer	Primary DNS server	N/A	IPv4: String, dotted decimal notation.	N/A
PrimaryDNSIpv6Server	Primary DNS Ipv6 server.	N/A	IPv6: Hexadecimal string, colon-separated.	N/A
SecondaryDNSServer	Secondary DNS server	N/A	IPv4: String, dotted decimal notation.	N/A
SecondaryDNSIpv6Server	Secondary DNS Ipv6 Server.	N/A	IPv6: Hexadecimal string, colon-separated.	N/A
URL	URL information of the local user	N/A	String. Length: 1 to 255 characters.	N/A
UserProfile	Name of the user profile	N/A	String. Length: 1 to 31 characters.	The name can contain only letters, digits, and underscores, and must begin with a letter.
VLANID	VLAN ID assigned to the local user	N/A	Unsigned integer. Value range: 1 to 4094.	N/A
VRF	Name of the VPN instance accessible to the local user	N/A	String. Length: 1 to 31 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Ipv4Address	IPv4 address of the local user	N/A	String in dotted decimal notation.	For example, 1.1.1.1.
Ipv6Address	IPv6 address of the local user	N/A	Hexadecimal string, colon-separated.	For example, 2003:10::1:1.
IpPool	Name of the IP address pool available to the local user	N/A	String. Length: 1 to 63 characters.	N/A
Ipv6Pool	Name of the IPv6 address pool available to the local user	N/A	String. Length: 1 to 63 characters.	N/A
SSLVPNPolicy	Name of the SSL VPN policy assigned to the local user	N/A	String, case-insensitive. Length: 1 to 31 characters.	N/A
AuthorizationIpv6PrefixInfo	IPv6 address prefix assigned to the local user	Data structure	Members include: <ul style="list-style-type: none"> Ipv6Address Ipv6PrefixLength 	N/A
Ipv6Address	IPv6 address prefix	N/A	Hexadecimal string, colon-separated.	For example, 2003:10::1:1. This column is valid only when the Ipv6PrefixLength column is configured at the same time.
Ipv6PrefixLength	IPv6 address prefix length	N/A	Unsigned integer. Value range: 1 to 128.	This column is valid only when the Ipv6Address column is configured at the same time.
BindingInfo	Binding attributes of the local user	Data structure	Members include: <ul style="list-style-type: none"> CallNumber Interface Ipv4Address MacAddress VLANID 	N/A
CallNumber	Calling number of the local user	N/A	String. Length: 1 to 64 characters.	N/A
Interface	Interface of the local user	N/A	String. Length: 1 to 47 characters.	N/A
Ipv4Address	IPv4 address of the local user	N/A	String in dotted decimal notation.	For example, 1.1.1.1.
MacAddress	MAC address of the local user	N/A	String. Length: 17 characters.	For example, FF-FF-FF-FF-FF-FF.
VLANID	VLAN ID assigned to the local user	N/A	Unsigned integer. Value range: 1 to 4094.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
SessTimeout	Session timeout	N/A	Unsigned integer. Value range: 1 to 1440, in minutes.	N/A
ValidityDateTime	Account validity time period	Data structure	Members include: <ul style="list-style-type: none"> StartValidityDateTime EndValidityDateTime 	N/A
StartValidityDateTime	Time from which the account becomes valid	N/A	DateTime. Format: YYYY-MM-DDTHH:MM:SS.	N/A
EndValidityDateTime	Time at which the account expires	N/A	DateTime. Format: YYYY-MM-DDTHH:MM:SS.	N/A

UserAccounts/Guest/Accounts

Table of network access guest information.

XML structure

```

<UserAccounts>
  <Guest>
    <Accounts>
      <Account>
        <WaitApproval></WaitApproval>
        <Name></Name>
        <Password></Password>
        <GroupName></GroupName>
        <FullName></FullName>
        <Phone></Phone>
        <Email></Email>
        <Company></Company>
        <Description></Description>
        <SponsorFullName></SponsorFullName>
        <SponsorEmail></SponsorEmail>
        <SponsorDepartment></SponsorDepartment>
        <ValidityDateTime>
          <StartValidityDateTime></StartValidityDateTime>
          <EndValidityDateTime></EndValidityDateTime>
        </ValidityDateTime>
      </Account>
    </Accounts>
  </Guest>
</UserAccounts>

```

Table description

Item	Description
Feature name	UserAccounts
Table name	Accounts
Table type	Multi-instance table
Row name	Account
Restrictions	GroupName must be obtained from the UserAccounts/UserGroups table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
WaitApproval	Whether the guest is waiting for approval	Index	Boolean: <ul style="list-style-type: none"> true false 	N/A
Name	User name	Index	String, case-sensitive. Length: 1 to 55 characters.	The name cannot be a , al , or all , and cannot contain any of the following characters: \ / : * ? < > @
Password	User password	N/A	String. Length: 1 to 63 characters.	The set operation sends plaintext strings.
GroupName	User group to which the guest belongs	N/A	String. Length: 1 to 32 characters.	The default is system .
FullName	Guest name	N/A	String. Length: 1 to 255 characters.	N/A
Phone	Guest phone	N/A	String. Length: 1 to 32 characters.	N/A
Email	Guest email address	N/A	String. Length: 1 to 255 characters.	The email address must include one at sign (@).
Company	Guest company	N/A	String. Length: 1 to 255 characters.	N/A
Description	Guest description	N/A	String. Length: 1 to 255 characters.	N/A
SponsorFullName	Sponsor name	N/A	String. Length: 1 to 255 characters.	N/A
SponsorEmail	Sponsor email address	N/A	String. Length: 1 to 255 characters.	The email address must include one at sign (@).

Column name	Column description	Column type	Data type and restrictions	Remarks
SponsorDepartment	Sponsor department	N/A	String. Length: 1 to 127 characters.	N/A
ValidityDateTime	Account validity time period	Data structure	Members include: <ul style="list-style-type: none"> StartValidityDateTime EndValidityDateTime 	N/A
StartValidityDateTime	Time from which the account becomes valid	N/A	DateTime. Format: YYYY-MM-DDTHH:MM:SS.	N/A
EndValidityDateTime	Time at which the account expires	N/A	DateTime. Format: YYYY-MM-DDTHH:MM:SS.	N/A

UserAccounts/GuestConfigure

Global control of guest accounts table.

XML structure

```

<UserAccounts>
  <GuestConfigure>
    <AutoDelete></AutoDelete>
    <EmailFormat>
      <GuestSubject></GuestSubject>
      <GuestManagerSubject></GuestManagerSubject>
      <GuestSponsorSubject></GuestSponsorSubject>
      <GuestSponsorBody></GuestSponsorBody>
    </EmailFormat>
    <GuestManagerEmail></GuestManagerEmail>
    <EmailSender></EmailSender>
    <SmtpServer></SmtpServer>
    <WaitApprovalTime></WaitApprovalTime>
  </GuestConfigure>
</UserAccounts>

```

Table description

Item	Description
Feature name	UserAccounts
Table name	GuestConfigure
Table type	Single-instance table
Row name	None
Restrictions	None

Item	Description
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AutoDelete	Whether to enable automatic deletion	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default is false.
EmailFormat	Email address format	Data structure	Members include: <ul style="list-style-type: none"> GuestSubject GuestBody GuestManagerSubject GuestManagerBody GuestSponsorSubject GuestSponsorBody 	N/A
GuestSubject	Email subject to send to the guest	N/A	String. Length: 1 to 127 characters.	N/A
GuestBody	Email body to send to the guest	N/A	String. Length: 1 to 255 characters.	N/A
GuestManager Subject	Email subject to send to the guest manager	N/A	String. Length: 1 to 127 characters.	N/A
GuestManager Body	Email body to send to the guest manager	N/A	String. Length: 1 to 255 characters.	N/A
GuestSponsorSubject	Email subject to send to the guest sponsor	N/A	String. Length: 1 to 127 characters.	N/A
GuestSponsorBody	Email body to send to the guest sponsor	N/A	String. Length: 1 to 255 characters.	N/A
GuestManager Email	Email address of the guest manager	N/A	String. Length: 1 to 255 characters.	The email address must include one at sign (@).
EmailSender	Email address of the addresser	N/A	String. Length: 1 to 255 characters.	The email address must include one at sign (@).
SmtpServer	URL of the SMTP server	N/A	String. Length: 1 to 255 characters.	N/A
WaitApprovalTime	The maximum waiting time for account approval	N/A	Unsigned integer. Value range: 1 to 720, in hours.	The default is 24 hours.

UserAccounts/Identity/Users

Table of static user accounts for user identification.

XML structure

```
<UserAccounts>
  <Identity>
    <Users>
      <User>
        <Name></Name>
        <IpType></IpType>
        <IpAddress></IpAddress>
        <MacAddress></MacAddress>
      </User>
    </Users>
  </Identity>
</UserAccounts>
```

Table description

Item	Description
Feature name	UserAccounts
Table name	Users
Table type	Multi-instance table
Row name	User
Restrictions	N/A
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	User name	Index	String, case-sensitive. Length: 1 to 55 characters.	The name cannot be a , al , or all , and cannot contain any of the following characters: \ / : * ? < > @
IpType	IP address type	Index	Enumeration: <ul style="list-style-type: none">0—IPv41—IPv6	N/A
IpAddress	IP address of the user	Index	IPv4 or IPv6 address	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
MacAddress	MAC address of the user	Index	MAC address format: XX-XX-XX-XX-XX-XX	If the column is empty, the system ignores the user MAC address.

UserAccounts/Network/IdentityGroups

Table of identity groups associated with a user.

XML structure

```

<UserAccounts>
  <Network>
    <IdentityGroups>
      <IdentityGroup>
        <UserName></UserName>
        <GroupName></GroupName>
      </IdentityGroup>
    </IdentityGroups>
  </Network>
</UserAccounts>

```

Table description

Item	Description
Feature name	UserAccounts
Table name	IdentityGroups
Table type	Multi-instance table
Row name	IdentityGroup
Restrictions	The GroupName value must be included in the UserAccounts/UserGroups table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
UserName	User name	Index	String, case-sensitive. Length: 1 to 55 characters.	The name cannot be a , al , or all , and cannot contain any of the following characters: \ / : * ? < > @

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	Group name	Index	String, case-insensitive. Length: 0 to 32 characters.	N/A

UserAccounts/UserGroup/IdentityMembers

Table of member users in an identity group.

XML structure

```

<UserAccounts>
  <UserGroup>
    <IdentityMembers>
      <IdentityMember>
        <GroupName></GroupName>
        <UserName></UserName>
      </IdentityMember>
    </IdentityMembers>
  </UserGroup>
</UserAccounts>

```

Table description

Item	Description
Feature name	UserAccounts
Table name	IdentityMembers
Table type	Multi-instance table
Row name	IdentityMember
Restrictions	The GroupName value must be included in the UserAccounts/UserGroups table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	Name of the identity group	Index	String, case-insensitive. Length: 0 to 32 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
UserName	Name of the member user	Index	String, case-sensitive. Length: 1 to 55 characters.	The name cannot be a , al , or all , and cannot contain any of the following characters: \ / : * ? < > @

UserAccounts/UserGroup/IdentityGroups

Table of member groups in an identity group.

XML structure

```

<UserAccounts>
  <UserGroup>
    <IdentityGroups>
      <IdentityGroup>
        <GroupName></GroupName>
        <IdentityGroup></IdentityGroup>
      </IdentityGroup>
    </IdentityGroups>
  </UserGroup>
</UserAccounts>

```

Table description

Item	Description
Feature name	UserAccounts
Table name	IdentityGroups
Table type	Multi-instance table
Row name	IdentityGroup
Restrictions	The GroupName value must be included in the UserAccounts/UserGroups table.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	Name of the identity group	Index	String, case-insensitive. Length: 0 to 32 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
IdentityGroup	Name of the member group	Index	String, case-insensitive. Length: 0 to 32 characters.	N/A

UserAccounts/IdentityEnable

Enable or disable the user identification feature.

XML structure

```
<UserAccounts>
  <IdentityEnable>
    <Enable></Enable>
  </IdentityEnable>
</UserAccounts>
```

Table description

Item	Description
Feature name	UserAccounts
Table name	IdentityEnable
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Enable	Enable or disable the user identification feature	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default is false.

UserAccounts/ChangePasswords

Change user passwords.

XML structure

```
<UserAccounts>
  <ChangePasswords>
```

```

<ChangePassword>
  <UserName></UserName>
  <Password></Password>
</ChangePassword>
</ChangePasswords>
</UserAccounts>

```

Table description

Item	Description
Feature name	UserAccounts
Table name	ChangePasswords
Table type	Multi-instance table
Row name	ChangePassword
Restrictions	The UserName value must be included in the UserAccounts/ChangePasswords table.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
UserName	User name entered by the user	Index	<p>String in the format of <i>localusername@domain</i> or <i>localusername</i>.</p> <p>Length: 1 to 311 characters.</p> <ul style="list-style-type: none"> <i>localusername</i>—Local user name, case-sensitive string of 1 to 55 characters. @—Domain name delimiter. <i>domain</i>—Domain name, case-insensitive string of 1 to 255 characters. 	The local user name cannot be a , al , or all , and it cannot contain any of the following characters: \ / : * ? < > @
Password	New password	N/A	<p>String, case-sensitive.</p> <p>Length: 1 to 63 characters.</p>	N/A

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UserAccounts

UserAccounts/UserGroups

User group information table.

XML structure

```
<UserAccounts>
  <UserGroups>
    <Group>
      <Name></Name>
      <AuthorizationInfo>
        <AclNumber></AclNumber>
        <CallbackNumber></CallbackNumber>
        <FTPHomeDir></FTPHomeDir>
        <IdleTimeout></IdleTimeout>
        <PrimaryDNSServer></PrimaryDNSServer>
        <PrimaryDNSIPv6Server></PrimaryDNSIPv6Server>
        <SecondaryDNSServer></SecondaryDNSServer>
        <SecondaryDNSIPv6Server></SecondaryDNSIPv6Server>
        <URL></URL>
        <UserProfile></UserProfile>
        <VLANID></VLANID>
        <VRF></VRF>
        <IpPool></IpPool>
        <Ipv6Pool></Ipv6Pool>
      </AuthorizationInfo>
      <AuthorizationIpv6PrefixInfo>
        <Ipv6Address></Ipv6Address>
        <Ipv6PrefixLength></Ipv6PrefixLength>
      </AuthorizationIpv6PrefixInfo>
    </Group>
  </UserGroups>
</UserAccounts>
```

Table description

Item	Description
Feature name	UserAccounts
Table name	UserGroups
Table type	Multi-instance table
Row name	Group
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Group name	Index	String. Length: 0 to 32 characters.	N/A
AuthorizationInfo	Authorization information	Data structure	Members include: <ul style="list-style-type: none"> • AclNumber • CallbackNumber • FTPHomeDir • IdleTimeout • PrimaryDNSServer • SecondaryDNSServer • URL • UserProfile • VLANID • VRF • IpPool • Ipv6Pool 	N/A
AclNumber	ACL number	N/A	Unsigned integer. Value range: 2000 to 5999.	N/A
CallbackNumber	Callback number	N/A	String. Length: 1 to 64 characters.	N/A
FTPHomeDir	FTP home directory	N/A	String. Length: 1 to 255 characters.	N/A
IdleTimeout	Idle time	N/A	Unsigned integer. Value range: 1 to 120 minutes.	N/A
PrimaryDNSServer	Primary DNS server	N/A	IPv4: String, dotted decimal notation.	N/A
PrimaryDNSIpv6Server	Primary DNS Ipv6 server.	N/A	IPv6: Hexadecimal string, colon-separated.	N/A
SecondaryDNS Server	Secondary DNS server	N/A	IPv4: String, dotted decimal notation.	N/A
SecondaryDNSIpv6Server	Secondary DNS Ipv6 Server.	N/A	IPv6: Hexadecimal string, colon-separated.	N/A
URL	URL information	N/A	String. Length: 1 to 255 characters.	N/A
UserProfile	Name of the user profile	N/A	String. Length: 1 to 31 characters.	The name can contain only letters, digits, and underscores, and must begin with a letter.
VLANID	VLAN ID assigned to the local user	N/A	Unsigned integer. Value range: 1 to 4094.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	Name of the VPN instance accessible to the local user	N/A	String. Length: 1 to 31 characters.	N/A
IpPool	Name of the IP address pool available to the local user	N/A	String. Length: 1 to 63 characters.	N/A
Ipv6Pool	Name of the IPv6 address pool available to the local user	N/A	String. Length: 1 to 63 characters.	N/A
AuthorizationIpv6PrefixInfo	IPv6 address prefix assigned to the local user	Data structure	Members include: <ul style="list-style-type: none"> Ipv6Address Ipv6PrefixLength 	N/A
Ipv6Address	IPv6 address prefix	N/A	Hexadecimal string, colon-separated.	For example, 2003:10::.
Ipv6PrefixLength	IPv6 address prefix length	N/A	Unsigned integer. Value range: 1 to 128.	N/A

UserAccounts/Management/Accounts

Management user information table.

XML structure

```

<UserAccounts>
  <Management>
    <Accounts>
      <Account>
        <Name></Name>
        <UID></UID>
        <GroupName></GroupName>
        <FTP></FTP>
        <HTTP></HTTP>
        <HTTPS></HTTPS>
        <PAD></PAD>
        <SSH></SSH>
        <TELNET></TELNET>
        <Terminal></Terminal>
        <AccessLimit></AccessLimit>
        <CurrentAccessNum></CurrentAccessNum>
        <FTPHomeDir></FTPHomeDir>
      </Account>
    </Accounts>
  </Management>
</UserAccounts>

```

```
</Management>
</UserAccounts>
```

Table description

Item	Description
Feature name	UserAccounts
Table name	Accounts
Table type	Multi-instance table
Row name	Account
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Local user name	Index	String. Length: 1 to 55 characters.	The name cannot be a , al , or all , and cannot contain any of the following characters: \ / : * ? < > @
UID	Local user ID	N/A	Unsigned integer. Value range: 1001 to $2^{32} - 1$.	N/A
GroupName	User group to which the local user belongs	N/A	String. Length: 1 to 32 characters.	The default is system .
FTP	Whether the FTP service is available to the local user	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default is false.
HTTP	Whether the HTTP service is available to the local user	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default is false.
HTTPS	Whether the HTTPS service is available to the local user	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default is false.
PAD	Whether the PAD service is available to the local user	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default is false.
SSH	Whether the SSH service is available to the local user	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default is false.

Column name	Column description	Column type	Data type and restrictions	Remarks
TELNET	Whether the telnet service is available to the local user	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default is false.
Terminal	Whether the Terminal service is available to the local user	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default is false.
AccessLimit	The maximum number of concurrent online users	N/A	Unsigned integer. Value range: 1 to 1024.	N/A
CurrentAccess Num	Current number of online users	N/A	Unsigned integer. Value range: 1 to 1024.	N/A
FTPHomeDir	FTP home directory of the local user	N/A	String. Length: 1 to 255 characters.	The directory must already exist. By default, the user can access the root directory of the device, which varies by device model.

UserAccounts/Management/UserRoles

Management user role information table.

XML structure

```

<UserAccounts>
  <Management>
    <UserRoles>
      <UserRole>
        <UserName></UserName>
        <RoleName></RoleName>
      </UserRole>
    </UserRoles>
  </Management>
</UserAccounts>

```

Table description

Item	Description
Feature name	UserAccounts
Table name	UserRoles
Table type	Multi-instance table

Item	Description
Row name	UserRole
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Local user name	Index	String. Length: 1 to 55 characters.	N/A
RoleName	User role name	Index	String. Length: 1 to 63 characters.	N/A

UserAccounts/Network/Accounts

Network user information table.

XML structure

```

<UserAccounts>
  <Network>
    <Accounts>
      <Account>
        <Name></Name>
        <UID></UID>
        <GroupName></GroupName>
        <ADVPN></ADVPN>
        <IPoE></IPoE>
        <LanAccess></LanAccess>
        <Portal></Portal>
        <PPP></PPP>
        <AccessLimit></AccessLimit>
        <CurrentAccessNum></CurrentAccessNum>
        <AuthorizationInfo>
          <AclNumber></AclNumber>
          <CallbackNumber></CallbackNumber>
          <IdleTimeout></IdleTimeout>
          <PrimaryDNSServer></PrimaryDNSServer>
          <PrimaryDNSIPv6Server></PrimaryDNSIPv6Server>
          <SecondaryDNSServer></SecondaryDNSServer>
          <SecondaryDNSIPv6Server></SecondaryDNSIPv6Server>
          <URL></URL>
          <UserProfile></UserProfile>
          <VLANID></VLANID>
          <VRF></VRF>
        </AuthorizationInfo>
      </Account>
    </Accounts>
  </Network>
</UserAccounts>

```

```

        <Ipv4Address></Ipv4Address>
        <Ipv6Address></Ipv6Address>
        <IpPool></IpPool>
        <Ipv6Pool></Ipv6Pool>
        <SSLVPNPolicy></SSLVPNPolicy>
    </AuthorizationInfo>
    <AuthorizationIpv6PrefixInfo>
        <Ipv6Address></Ipv6Address>
        <Ipv6PrefixLength></Ipv6PrefixLength>
    </AuthorizationIpv6PrefixInfo>
    <BindingInfo>
        <CallNumber></CallNumber>
        <Interface></Interface>
        <Ipv4Address></Ipv4Address>
        <MacAddress></MacAddress>
        <VLANID></VLANID>
    </BindingInfo>
    <SessTimeout></SessTimeout>
    <ValidityDateTime>
        <StartValidityDateTime></StartValidityDateTime>
        <EndValidityDateTime></EndValidityDateTime>
    </ValidityDateTime>
</Account>
</Accounts>
</Network>
</UserAccounts>

```

Table description

Item	Description
Feature name	UserAccounts
Table name	Accounts
Table type	Multi-instance table
Row name	Account
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Network user name	Index	String. Length: 1 to 55 characters.	The name cannot be a , al , or all , and cannot contain any of the following characters: \ / : * ? < > @

Column name	Column description	Column type	Data type and restrictions	Remarks
UID	Network user ID	N/A	Unsigned integer. Value range: 1 to $2^{32} - 1$.	N/A
GroupName	User group to which the local user belongs	N/A	String. Length: 1 to 32 characters.	The default is system .
ADVPN	Whether the ADVPN service is available to the local user	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default is false.
IPoE	Whether the IPoE service is available to the local user	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default is false.
LanAccess	Whether the LAN access service is available to the local user	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default is false.
Portal	Whether the portal service is available to the local user	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default is false.
PPP	Whether the PPP service is available to the local user	N/A	Boolean: <ul style="list-style-type: none"> true false 	The default is false.
AccessLimit	The maximum number of concurrent online users	N/A	Unsigned integer. Value range: 1 to 1024.	N/A
CurrentAccessNum	Current number of online users	N/A	Unsigned integer. Value range: 1 to 1024.	N/A
AuthorizationInfo	Authorization information of the local user	Data structure	Members include: <ul style="list-style-type: none"> AcINumber CallbackNumber IdleTimeout PrimaryDNSServer SecondaryDNSServer URL UserProfile VLANID VRF Ipv4Address Ipv6Address IpPool Ipv6Pool SSLVPNPolicy 	N/A
AcINumber	ACL number	N/A	Unsigned integer. Value range: 2000 to 5999.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
CallbackNumber	Callback number	N/A	String. Length: 1 to 64 characters.	N/A
IdleTimeout	Idle time	N/A	Unsigned integer. Value range: 1 to 120 minutes.	N/A
PrimaryDNSServer	Primary DNS server	N/A	IPv4: String, dotted decimal notation.	N/A
PrimaryDNSIPv6Server	Primary DNS IPv6 server.	N/A	IPv6: Hexadecimal string, colon-separated.	N/A
SecondaryDNSServer	Secondary DNS server	N/A	IPv4: String, dotted decimal notation.	N/A
SecondaryDNSIPv6Server	Secondary DNS IPv6 Server.	N/A	IPv6: Hexadecimal string, colon-separated.	N/A
URL	URL information of the local user	N/A	String. Length: 1 to 255 characters.	N/A
UserProfile	Name of the user profile	N/A	String. Length: 1 to 31 characters.	The name can contain only letters, digits, and underscores, and must begin with a letter.
VLANID	VLAN ID assigned to the local user	N/A	Unsigned integer. Value range: 1 to 4094.	N/A
VRF	Name of the VPN instance accessible to the local user	N/A	String. Length: 1 to 31 characters.	N/A
Ipv4Address	IPv4 address of the local user	N/A	String in dotted decimal notation.	For example, 1.1.1.1.
Ipv6Address	IPv6 address of the local user	N/A	Hexadecimal string, colon-separated.	For example, 2003:10::1:1.
IpPool	Name of the IP address pool available to the local user	N/A	String. Length: 1 to 63 characters.	N/A
Ipv6Pool	Name of the IPv6 address pool available to the local user	N/A	String. Length: 1 to 63 characters.	N/A
SSLVPNPolicy	Name of the SSL VPN policy group assigned to the local user	N/A	String, case-insensitive. Length: 1 to 31 characters.	N/A
AuthorizationIPv6PrefixInfo	IPv6 address prefix assigned to the local user	Data structure	Members include: <ul style="list-style-type: none"> • Ipv6Address • Ipv6PrefixLength 	N/A
Ipv6Address	IPv6 address prefix	N/A	Hexadecimal string, colon-separated.	For example, 2003:10::.

Column name	Column description	Column type	Data type and restrictions	Remarks
Ipv6PrefixLength	IPv6 address prefix length	N/A	Unsigned integer. Value range: 1 to 128.	N/A
BindingInfo	Binding attributes of the local user	Data structure	Members include: <ul style="list-style-type: none"> • CallNumber • Interface • Ipv4Address • MacAddress • VLANID 	N/A
CallNumber	Calling number of the local user	N/A	String. Length: 1 to 64 characters.	N/A
Interface	Interface of the local user	N/A	String. Length: 1 to 47 characters.	N/A
Ipv4Address	IP address of the local user	N/A	String in the dotted decimal notation.	IPv4 example: 1.1.1.1.
MacAddress	MAC address of the local user	N/A	String. Length: 17 characters.	For example, FF-FF-FF-FF-FF-FF.
VLANID	VLAN ID assigned to the local user	N/A	Unsigned integer. Value range: 1 to 4094.	N/A
SessTimeout	Session timeout	N/A	Unsigned integer. Value range: 1 to 1440, in minutes.	N/A
ValidityDateTime	Account validity time period	Data structure	Members include: <ul style="list-style-type: none"> • StartValidityDateTime • EndValidityDateTime 	N/A
StartValidityDateTime	Time from which the account becomes valid	N/A	DateTime. Format: YYYY-MM-DDTHH:MM:SS.	N/A
EndValidityDateTime	Time at which the account expires	N/A	DateTime. Format: YYYY-MM-DDTHH:MM:SS.	N/A

UserAccounts/PasswordLimit

Password limit of the local user module.

XML structure

```

<UserAccounts>
  <PasswordLimit>
    <MinLen></MinLen>
    <MaxLen></MaxLen>
    <MinTypeNum></MinTypeNum>
  </PasswordLimit>

```

</UserAccounts>

Table description

Item	Description
Feature name	UserAccounts
Table name	PasswordLimit
Table type	Single-instance table
Row name	UserRole
Restrictions	<ul style="list-style-type: none">The configuration takes effect on the following items:<ul style="list-style-type: none">UserAccounts/Management/Accounts table <Password></Password>UserAccounts/Network/Accounts table <Password></Password>Data restrictions acquired in FIPS mode are different from the data restrictions acquired in non-FIPS mode.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
MinLen	The minimum length of a password	N/A	Unsigned integer.	N/A
MaxLen	The maximum length of a password	N/A	Unsigned integer.	N/A
MinTypeNum	The minimum number of character types that a password must contain	N/A	Unsigned integer.	Character types include digits, uppercase letters, lowercase letters, and special characters. For example, if the value is set to 3, the password string must include three or more character types.

UserAccounts/Guest/Accounts

Table of network access guest information.

XML structure

```
<UserAccounts>
  <Guest>
    <Accounts>
      <Account>
```

```

    <WaitApproval></WaitApproval>
    <Name></Name>
    <Password></Password>
    <GroupName></GroupName>
    <FullName></FullName>
    <Phone></Phone>
    <Email></Email>
    <Company></Company>
    <Description></Description>
    <SponsorFullName></SponsorFullName>
    <SponsorEmail></SponsorEmail>
    <SponsorDepartment></SponsorDepartment>
    <ValidityDateTime>
        <StartValidityDateTime></StartValidityDateTime>
        <EndValidityDateTime></EndValidityDateTime>
    </ValidityDateTime>
</Account>
</Accounts>
</Guest>
</UserAccounts>

```

Table description

Item	Description
Feature name	UserAccounts
Table name	Accounts
Table type	Multi-instance table
Row name	Account
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
WaitApproval	Whether the guest is waiting for approval	Index	Boolean: <ul style="list-style-type: none"> true false 	N/A
Name	User name	Index	String. Length: 1 to 55 characters.	The name cannot be a , al , or all , and cannot contain any of the following characters: \ / : * ? < > @
Password	User password	N/A	String. Length: 1 to 63 characters.	The set operation sends plaintext strings.

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	User group to which the guest belongs	N/A	String. Length: 1 to 32 characters.	The default setting is system .
FullName	Guest name	N/A	String. Length: 1 to 255 characters.	N/A
Phone	Guest phone	N/A	String. Length: 1 to 32 characters.	N/A
Email	Guest phone	N/A	String. Length: 1 to 255 characters.	The email address must include one at sign (@).
Company	Guest company	N/A	String. Length: 1 to 255 characters.	N/A
Description	Guest description	N/A	String. Length: 1 to 255 characters.	N/A
SponsorFullName	Sponsor name	N/A	String. Length: 1 to 255 characters.	N/A
SponsorEmail	Sponsor Email	N/A	String. Length: 1 to 255 characters.	The email address must include one at sign (@).
SponsorDepartment	Sponsor department	N/A	String. Length: 1 to 127 characters.	N/A
ValidityDateTime	Account validity time period	Data structure	Members include: <ul style="list-style-type: none"> StartValidityDateTime EndValidityDateTime 	N/A
StartValidityDateTime	Time from which the account becomes valid	N/A	DateTime. Format: YYYY-MM-DDTHH:MM:SS.	N/A
EndValidityDateTime	Time at which the account expires	N/A	DateTime. Format: YYYY-MM-DDTHH:MM:SS.	N/A

UserAccounts/GuestConfigure

Global control of guest accounts table.

XML structure

```

<UserAccounts>
  <GuestConfigure>
    <AutoDelete></AutoDelete>
    <EmailFormat>
      <GuestSubject></GuestSubject>
      <GuestBody></GuestBody>
      <GuestManagerSubject></GuestManagerSubject>
    
```

```

    <GuestManagerBody></GuestManagerBody>
    <GuestSponsorSubject></GuestSponsorSubject>
    <GuestSponsorBody></GuestSponsorBody>
  </EmailFormat>
  <GuestManagerEmail></GuestManagerEmail>
  <EmailSender></EmailSender>
  <SmtpServer></SmtpServer>
  <WaitApprovalTime></WaitApprovalTime>
</GuestConfigure>
</UserAccounts>

```

Table description

Item	Description
Feature name	UserAccounts
Table name	GuestConfigure
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AutoDelete	Whether to enable automatic deletion	Column	Boolean: <ul style="list-style-type: none"> true false 	The default is false.
EmailFormat	Email address format	Data structure	Members include: <ul style="list-style-type: none"> GuestSubject GuestBody GuestManagerSubject GuestManagerBody GuestSponsorSubject GuestSponsorBody 	N/A
GuestSubject	Email subject to send to the guest	N/A	String. Length: 1 to 127 characters.	N/A
GuestBody	Email body to send to the guest	N/A	String. Length: 1 to 255 characters.	N/A
GuestManager Subject	Email subject to send to the guest manager	N/A	String. Length: 1 to 127 characters.	N/A
GuestManager Body	Email body to send to the guest manager	N/A	String. Length: 1 to 255 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
GuestSponsorSubject	Email subject to send to the guest sponsor	N/A	String. Length: 1 to 127 characters.	N/A
GuestSponsorBody	Email body to send to the guest sponsor	N/A	String. Length: 1 to 255 characters.	N/A
GuestManagerEmail	Email address of the guest manager	N/A	String. Length: 1 to 255 characters.	The email address must include one at sign (@).
EmailSender	Email address of the addresser	N/A	String. Length: 1 to 255 characters.	The email address must include one at sign (@).
SmtpServer	URL of the SMTP server	N/A	String. Length: 1 to 255 characters.	N/A
WaitApprovalTime	The maximum waiting time for account approval	N/A	Unsigned integer. Value range: 1 to 720, in hours.	The default is 24 hours.

UserAccounts/Identity/Users

Table of static user accounts for user identification.

XML structure

```

<UserAccounts>
  <Identity>
    <Users>
      <User>
        <Name></Name>
        <IpType></IpType>
        <IpAddress></IpAddress>
        <MacAddress></MacAddress>
      </User>
    </Users>
  </Identity>
</UserAccounts>

```

Table description

Item	Description
Feature name	UserAccounts
Table name	Users
Table type	Multi-instance table
Row name	User

Item	Description
Restrictions	N/A
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	User name	Index	String, case-sensitive. Length: 1 to 55 characters.	The name cannot be a , al , or all , and cannot contain any of the following characters: \ / : * ? < > @
IpType	IP address family	Index	Enumeration: <ul style="list-style-type: none"> 0—IPv4 1—IPv6 	N/A
IpAddress	The IP address of user	Index	IPv4 or IPv6 address.	N/A
MacAddress	The MAC address of user	Index	MAC address format: XX-XX-XX-XX-XX-XX	If the column is empty, the system ignores the user MAC address.

UserAccounts/Network/IdentityGroups

Table of identity groups associated with a user.

XML structure

```

<UserAccounts>
  <Network>
    <IdentityGroups>
      <IdentityGroup>
        <UserName></UserName>
        <GroupName></GroupName>
      </IdentityGroup>
    </IdentityGroups>
  </Network>
</UserAccounts>

```

Table description

Item	Description
Feature name	UserAccounts
Table name	IdentityGroups

Item	Description
Table type	Multi-instance table
Row name	IdentityGroup
Restrictions	N/A
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
UserName	User name	Index	String, case-sensitive. Length: 1 to 55 characters.	The name cannot be a , al , or all , and cannot contain any of the following characters: \ / : * ? < > @
GroupName	Group name	Index	String, case-insensitive. Length: 0 to 32 characters.	N/A

UserAccounts/UserGroup/IdentityMembers

Table of member users in an identity group.

XML structure

```

<UserAccounts>
  <UserGroup>
    <IdentityMembers>
      <IdentityMember>
        <GroupName></GroupName>
        <UserName></UserName>
      </IdentityMember>
    </IdentityMembers>
  </UserGroup>
</UserAccounts>

```

Table description

Item	Description
Feature name	UserAccounts
Table name	IdentityMembers
Table type	Multi-instance table
Row name	IdentityMember

Item	Description
Restrictions	N/A
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	Name of the identity group	Index	String, case-insensitive. Length: 0 to 32 characters.	N/A
UserName	Name of the member user	Index	String, case-sensitive. Length: 1 to 55 characters.	The name cannot be a , al , or all , and cannot contain any of the following characters: \ / : * ? < > @

UserAccounts/UserGroup/IdentityGroups

Table of member groups in an identity group.

XML structure

```

<UserAccounts>
  <UserGroup>
    <IdentityGroups>
      <IdentityGroup>
        <GroupName></GroupName>
        <IdentityGroup></IdentityGroup>
      </IdentityGroup>
    </IdentityGroups>
  </UserGroup>
</UserAccounts>

```

Table description

Item	Description
Feature name	UserAccounts
Table name	IdentityGroups
Table type	Multi-instance table
Row name	IdentityGroup
Restrictions	N/A
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	Name of the identity group	Index	String, case-insensitive. Length: 0 to 32 characters.	N/A
IdentityGroup	Name of the member group	Index	String, case-insensitive. Length: 0 to 32 characters.	N/A

UserAccounts/IdentityUser

Table of online user information for user identification.

XML structure

```
<UserAccounts>
  <Identity>
    <IdentityUsers>
      <IdentityUser>
        <UserName></UserName>
        <IpAddress></IpAddress>
        <MacAddress></MacAddress>
        <Type></Type>
      </IdentityUser>
    </IdentityUsers>
  </Identity>
</UserAccounts>
```

Table description

Item	Description
Feature name	UserAccounts
Table name	IdentityUsers
Table type	Multi-instance table
Row name	IdentityUser
Restrictions	N/A
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
UserName	User name	Index	String, case-sensitive. Length: 1 to 55 characters.	N/A
IpAddress	IP address of the user	Index	IPv4 or IPv6 address.	N/A
MacAddress	MAC address of the user	Index	MAC address format: XX-XX-XX-XX-XX-XX	If the column is empty, the system ignores the user MAC address.
Type	User type	N/A	Unsigned integer: <ul style="list-style-type: none">• 1—Static.• 2—Portal.• 3—IPoE.• 4—PPP.	The online user can have various types at the same time. Obtain the value by displacement calculation.

UserAccounts/IdentityEnable

Enable or disable the user identification feature.

XML structure

```
<UserAccounts>
  <IdentityEnable>
    <Enable></Enable>
  </IdentityEnable>
</UserAccounts>
```

Table description

Item	Description
Feature name	UserAccounts
Table name	IdentityEnable
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Enable	Enable or disable the user identification feature	N/A	Boolean: <ul style="list-style-type: none">truefalse	The default is false.

UserAccounts/ChangePasswords

Change user passwords.

XML structure

```
<UserAccounts>
  <ChangePasswords>
    <ChangePassword>
      <UserName></UserName>
    </ChangePassword>
  </ChangePasswords>
</UserAccounts>
```

Table description

Item	Description
Feature name	UserAccounts
Table name	ChangePasswords
Table type	Multi-instance table
Row name	ChangePassword
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
UserName	User name entered by the user	Index	String in the format of <i>localusername@domain</i> or <i>localusername</i> . Length: 1 to 311 characters. <ul style="list-style-type: none"><i>localusername</i>—Local user name, case-sensitive string of 1 to 55 characters.@—Domain name	The local user name cannot be a , al , or all , and it cannot contain any of the following characters: \ / : * ? < > @

			delimiter. <ul style="list-style-type: none"> • <i>domain</i>—Domain name, case-insensitive string of 1 to 255 characters. 	
--	--	--	---	--

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UserProfile

UserProfile/UserProfiles

This table contains user profile information.

XML structure

```
<UserProfile>
  <UserProfiles>
    <Profile>
      <Name></Name>
      <Type></Type>
    </Profile>
  </UserProfiles>
</UserProfile>
```

Table description

Item	Description
Feature name	UserProfile
Table name	UserProfiles
Table type	Multi-instance table
Row name	Profile
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	User profile name	Index	String, case-insensitive. Length: 1 to 31 characters.	The string can only contain English letters, digits, underscores (_), minus(-), and dots (.). The name can start with an English letter or digit, and cannot contain only digits. The name must be unique globally.
Type	User profile type	N/A	Enumeration: <ul style="list-style-type: none">• 1—User profile.• 2—Session group profile.	N/A

ACL/UserProfilePfilter

This table contains information about packet filter application for user profile.

XML structure

```
<ACL>
  <UserProfilePfilter>
    <Apply>
      <Name></Name>
      <Direction></Direction>
      <AclType></AclType>
      <AclGroup></AclGroup>
    </Apply>
  </UserProfilePfilter>
</ACL>
```

Table description

Item	Description
Feature name	ACL
Table name	UserProfilePfilter
Table type	Multi-instance table
Row name	Apply
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	User profile name	Index	String, case-insensitive. Length: 1 to 31 characters.	The string can only contain English letters, digits, underscores (_), minus(-), and dots (.). The name can start with an English letter or digit, and cannot contain only digits. The name must be unique globally.
Direction	Application direction.	Index	Enumeration: <ul style="list-style-type: none"> • 0—Inbound. • 1—Outbound. 	N/A
AcIType	ACL type.	N/A	Enumeration: <ul style="list-style-type: none"> • 1—IPv4 ACL. • 2—IPv6 ACL. 	N/A
AcIGroup	ACL name or number.	N/A	<ul style="list-style-type: none"> • ACL name: Case-insensitive string of 1 to 63 characters. • ACL number: An unsigned integer in the range of 2000 to 3999. 	An ACL name must start with an English letter and cannot be all . Only Apply an ACL at one direction. If want to change the ACL, must to delete the item and create a new item.

CAR/UserProfileCAR

This table contains CAR application on user profile.

XML structure

```

<CAR>
  <UserProfileCAR>
    <Apply>
      <Name></Name>
      <Direction></Direction>
      <Type></Type>
      <CIR></CIR>
      <CBS></CBS>
      <EBS></EBS>
      <PIR></PIR>
    </Apply>
  </UserProfileCAR>

```

< /CAR>

Table description

Item	Description
Feature name	CAR
Table name	UserProfileCAR
Table type	Multi-instance table
Row name	Apply
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	User profile name	Index	String, case-insensitive. Length: 1 to 31 characters.	The string can only contain English letters, digits, underscores (_), minus(-), and dots (.). The name can start with an English letter or digit, and cannot contain only digits. The name must be unique globally.
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none">• 0—Inbound.• 1—Outbound.	N/A
Type	Match type	Index	Enumeration: <ul style="list-style-type: none">• 4—Any	N/A
CIR	Committed information rate in kbps	N/A	Unsigned integer.	Required. The value range for CIR varies by device model.
CBS	Committed burst size in bytes	N/A	Unsigned integer.	N/A
EBS	Excess burst size in bytes	N/A	Unsigned integer.	If CBS or PIR is not configured, EBS cannot be configured
PIR	Peak information rate in kbps	N/A	Unsigned integer.	The value range for PIR varies by device model.

GTS/UserProfileGTS

This table contains GTS application on user profile.

XML structure

```
<GTS>
  <UserProfileGTS>
    <Apply>
      <Name></Name>
      <Direction></Direction>
      <Type></Type>
      <Value></Value>
      <CIR></CIR>
      <CBS></CBS>
      <EBS></EBS>
      <PIR></PIR>
      <Queue-length></Queue-length>
    </Apply>
  </UserProfileGTS>
</GTS>
```

Table description

Item	Description
Feature name	GTS
Table name	UserProfileGTS
Table type	Multi-instance table
Row name	Apply
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	User profile name	Index	String, case-insensitive. Length: 1 to 31 characters.	The string can only contain English letters, digits, underscores (_), minus(-), and dots (.). The name can start with an English letter or digit, and cannot contain only digits. The name must be unique

Column name	Column description	Column type	Data type and restrictions	Remarks
				globally.
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none"> • 0—Inbound. • 1—Outbound. 	N/A
Type	Match type	Index	Enumeration: <ul style="list-style-type: none"> • 1—Any • 4—Queue 	N/A
Value	Match type value	Index	Unsigned integer.	When Type is 4 , the value range is 0 to 7. When Type is 1 , this column only can be configured as 0.
CIR	Committed information rate in kbps	N/A	Unsigned integer.	Required. The value of this column depends on the device model.
CBS	Committed burst size in bytes	N/A	Unsigned integer.	The value of this column depends on the device model.
EBS	Excess burst size in bytes	N/A	Unsigned integer.	The value of this column depends on the device model. If CBS or PIR is not configured, EBS cannot be configured
PIR	Peak information rate in kbps	N/A	Unsigned integer.	The value of this column depends on the device model.
Queue-length	Length of the buffer queue	N/A	Unsigned integer.	The value of this column depends on the device model.

HardwareQueue/UserProfileQMProfile

This table contains queue scheduling profile application on user profile.

XML structure

```

<HardwareQueue>
  <UserProfileQMProfile>
    <Apply>
      <UserProfileName></UserProfileName>
    
```

```

        <Direction></Direction>
        <SchedulingMode></SchedulingMode>
        <QMProfileName></QMProfileName>
    </Apply>
</UserProfileQMProfile>
</HardwareQueue>

```

Table description

Item	Description
Feature name	HardwareQueue
Table name	ProfileQMProfile
Table type	Multi-instance table
Row name	Apply
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
UserName	User profile name	Index	String, case-insensitive. Length: 1 to 31 characters.	The string can only contain English letters, digits, underscores (_), minus(-), and dots (.). The name can start with an English letter or digit, and cannot contain only digits. The name must be unique globally.
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none"> • 0—Inbound. • 1—Outbound. 	N/A
SchedulingMode	Queue scheduling profile type	N/A	Enumeration: <ul style="list-style-type: none"> • 0—Eight-queue. • 1—Four-queue. 	N/A
QMProfileName	Queue scheduling profile name	N/A	String, case-insensitive. Length: 1 to 31 characters.	N/A

HardwareQueue/UserProfileQueue

This table contains queue application on user profile.

XML structure

```
<HardwareQueue>
  <UserProfileQueue>
    <Apply>
      <Name></Name>
      <QueueID></QueueID>
    </Apply>
  </UserProfileQueue>
</HardwareQueue>
```

Table description

Item	Description
Feature name	HardwareQueue
Table name	UserProfileQueue
Table type	Multi-instance table
Row name	Apply
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	User profile name	Index	String, case-insensitive. Length: 1 to 31 characters.	The string can only contain English letters, digits, underscores (_), minus(-), and dots (.). The name can start with an English letter or digit, and cannot contain only digits. The name must be unique globally.
QueueID	Queue ID	N/A	Unsigned integer	The value of this column depends on the device model.

MQC/UserProfileQosPolicy

This table contains information about QoS policies applied to user profile.

XML structure

```
<MQC>
  <UserProfileQosPolicy>
    <Apply>
      <UserProfileName></UserProfileName>
      <Direction></Direction>
      <QoSPolicyName></QoSPolicyName>
    </Apply>
  </UserProfileQosPolicy>
</MQC>
```

Table description

Item	Description
Feature name	MQC
Table name	UserProfileQosPolicy
Table type	Multi-instance table
Row name	Apply
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
UserProfileName	User profile name	Index	String, case-insensitive. Length: 1 to 31 characters.	The string can only contain English letters, digits, underscores (_), minus(-), and dots (.). The name can start with an English letter or digit, and cannot contain only digits. The name must be unique globally.
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none">• 0—Inbound.• 1—Outbound.	N/A
QoSPolicyName	Qos policy name	N/A	String.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Length: 1 to 31 characters.				

USERQOS/SessionIdentify

This table contains information about identify a session group on an interface.

XML structure

```
<USERQOS>
  <SessionIdentify>
    <Identify>
      <IfIndex></IfIndex>
      <Type></Type>
    </Identify>
  </SessionIdentify>
</USERQOS>
```

Table description

Item	Description
Feature name	USERQOS
Table name	SessionIdentify
Table type	Multi-instance table
Row name	Identify
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	N/A
Type	Match type	N/A	Enumeration: <ul style="list-style-type: none"> 1—Customer-VLAN 2—Service-VLAN 3—Customer-Service-VLAN 4—Subscriber-ID 	To configure a session group profile for users, you must first use the operation.

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UserProfile

UserProfile/UserProfiles

This table contains user profile information.

XML structure

```
<UserProfile>
  <UserProfiles>
    <Profile>
      <Name></Name>
      <Type></Type>
    </Profile>
  </UserProfiles>
</UserProfile>
```

Table description

Item	Description
Feature name	UserProfile
Table name	UserProfiles
Table type	Multi-instance table
Row name	Profile
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	User profile name	Index	String, case-insensitive. Length: 1 to 31 characters.	The string can only contain English letters, digits, underscores (_), minus(-), and dots (.). The name can start with an English letter or digit, and cannot contain only digits. The name must be unique globally.

Column name	Column description	Column type	Data type and restrictions	Remarks
Type	User profile type	N/A	Enumeration: <ul style="list-style-type: none"> 1—User profile. 2—Session group profile. 	N/A

ACL/UserProfilePfilter

This table contains information about packet filter application for user profile.

XML structure

```

<ACL>
  <UserProfilePfilter>
    <Apply>
      <Name></Name>
      <Direction></Direction>
      <AclType></AclType>
      <AclGroup></AclGroup>
    </Apply>
  </UserProfilePfilter>
</ACL>

```

Table description

Item	Description
Feature name	ACL
Table name	UserProfilePfilter
Table type	Multi-instance table
Row name	Apply
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	User profile name	Index	String, case-insensitive. Length: 1 to 31 characters.	The string can only contain English letters, digits, underscores (_), minus(-), and dots (.). The name can start with an English letter or digit, and cannot contain only digits. The name must be unique

Column name	Column description	Column type	Data type and restrictions	Remarks
				globally.
Direction	Application direction.	Index	Enumeration: <ul style="list-style-type: none"> • 0—Inbound. • 1—Outbound. 	N/A
AcIType	ACL type.	N/A	Enumeration: <ul style="list-style-type: none"> • 1—IPv4 ACL. • 2—IPv6 ACL. 	N/A
AcIGroup	ACL name or number.	N/A	<ul style="list-style-type: none"> • ACL name: Case-insensitive string of 1 to 63 characters. • ACL number: An unsigned integer in the range of 2000 to 3999. 	An ACL name must start with an English letter and cannot be all .

CAR/UserProfileCAR

This table contains information about user profile CAR.

XML structure

```

<CAR>
  <UserProfileCAR>
    <Apply>
      <Name></Name>
      <Direction></Direction>
      <Type></Type>
      <CIR></CIR>
      <CBS></CBS>
      <EBS></EBS>
      <PIR></PIR>
    </Apply>
  </UserProfileCAR>
</CAR>

```

Table description

Item	Description
Feature name	CAR
Table name	UserProfileCAR
Table type	Multi-instance table
Row name	Apply

Restrictions	None
--------------	------

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	User profile name	Index	String, case-insensitive. Length: 1 to 31 characters.	The string can only contain English letters, digits, underscores (_), minus(-), and dots (.). The name can start with an English letter or digit, and cannot contain only digits. The name must be unique globally.
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none"> 0—Inbound. 1—Outbound. 	N/A
Type	Match type	Index	Enumeration: <ul style="list-style-type: none"> Any 	N/A
CIR	Committed information rate in kbps	N/A	Unsigned integer.	N/A
CBS	Committed burst size in bytes	N/A	Unsigned integer.	N/A
EBS	Excess burst size in bytes	N/A	Unsigned integer.	N/A
PIR	Peak information rate in kbps	N/A	Unsigned integer.	N/A

GTS/UserProfileGTS

This table contains information about user profile GTS.

XML structure

```
<GTS>
  <UserProfileGTS>
    <Apply>
      <Name></Name>
      <Direction></Direction>
      <Type></Type>
      <Value></Value>
      <CIR></CIR>
      <CBS></CBS>
```

```

    <EBS></EBS>
    <PIR></PIR>
    <Queue-length></Queue-length>
  </Apply>
</UserProfileGTS>
</GTS>

```

Table description

Item	Description
Feature name	GTS
Table name	UserProfileGTS
Table type	Multi-instance table
Row name	Apply
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	User profile name	Index	String, case-insensitive. Length: 1 to 31 characters.	The string can only contain English letters, digits, underscores (_), minus(-), and dots (.). The name can start with an English letter or digit, and cannot contain only digits. The name must be unique globally.
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none"> 0—Inbound. 1—Outbound. 	N/A
Type	Match type	Index	Enumeration: <ul style="list-style-type: none"> 1—Any 4—Queue 	N/A
Value	Match type value	Index	Unsigned integer.	N/A
CIR	Committed information rate in kbps	N/A	Unsigned integer.	The value of this column depends on the device model.
CBS	Committed burst size in bytes	N/A	Unsigned integer.	The value of this column depends on the device model.
EBS	Excess burst size in bytes	N/A	Unsigned integer.	The value of this column depends on the device

Column name	Column description	Column type	Data type and restrictions	Remarks
				model.
PIR	Peak information rate in kbps	N/A	Unsigned integer.	The value of this column depends on the device model.
Queue-length	Length of the buffer queue	N/A	Unsigned integer.	The value of this column depends on the device model.

HardwareQueue/UserProfileQMProfile

This table contains queue scheduling profile application on user profile.

XML structure

```

<HardwareQueue>
  <UserProfileQMProfile>
    <Apply>
      <UserProfileName></UserProfileName>
      <Direction></Direction>
      <SchedulingMode></SchedulingMode>
      <QMProfileName></QMProfileName>
    </Apply>
  </UserProfileQMProfile>
</HardwareQueue>

```

Table description

Item	Description
Feature name	HardwareQueue
Table name	UserProfileQMProfile
Table type	Multi-instance table
Row name	Apply
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
UserProfileName	User profile name	Index	String, case-insensitive. Length: 1 to 31 characters.	The string can only contain English letters, digits, underscores (_), minus(-), and dots (.). The name can start with an English letter or digit, and cannot contain only digits. The name must be unique globally.
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none">• 0—Inbound.• 1—Outbound.	N/A
SchedulingMode	Queue scheduling profile type	N/A	Enumeration: <ul style="list-style-type: none">• 0—Eight-queue.• 1—Four-queue.	N/A
QMProfileName	Queue scheduling profile name	N/A	String, case-insensitive. Length: 1 to 31 characters.	N/A

HardwareQueue/UserProfileQueue

This table contains user profile queue information.

XML structure

```
<HardwareQueue>
  <UserProfileQueue>
    <Apply>
      <Name></Name>
      <QueueID></QueueID>
    </Apply>
  </UserProfileQueue>
</HardwareQueue>
```

Table description

Item	Description
Feature name	HardwareQueue

Item	Description
Table name	UserProfileQueue
Table type	Multi-instance table
Row name	Apply
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	User Profile name	Index	String, case-insensitive. Length: 1 to 31 characters.	The string can only contain English letters, digits, underscores (_), minus(-), and dots (.). The name can start with an English letter or digit, and cannot contain only digits. The name must be unique globally.
QueueID	Queue ID	N/A	Unsigned integer	N/A

MQC/UserProfileQosPolicy

This table contains information about QoS policies applied to user profile.

XML structure

```

<MQC>
  <UserProfileQosPolicy>
    <Apply>
      <UserProfileName></UserProfileName>
      <Direction></Direction>
      <QoSPolicyName></QoSPolicyName>
    </Apply>
  </UserProfileQosPolicy>
</MQC>

```

Table description

Item	Description
Feature name	MQC

Table name	UserProfileQosPolicy
Table type	Multi-instance table
Row name	Apply
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
UserProfileName	User profile name	Index	String, case-insensitive. Length: 1 to 31 characters.	The string can only contain English letters, digits, underscores (_), minus(-), and dots (.). The name can start with an English letter or digit, and cannot contain only digits. The name must be unique globally.
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none"> • 0—Inbound. • 1—Outbound. 	N/A
QoSPolicyName	Qos policy name	N/A	String. Length: 1 to 31 characters.	N/A

MQC/QoSPolicyCAR

This table contains information about CAR association running information applied to users.

XML structure

```

<MQC>
  <QoSPolicyCAR>
    <UserCar>
      <DeviceNode>
        <Chassis></Chassis>
        <Slot></Slot>
        <CPUID></CPUID>
      </DeviceNode>
      <AuthType></AuthType>
      <UserID></UserID>
      <Direction></Direction>
      <ClassName></ClassName>
      < CIR></ CIR>
      < CBS></ CBS>
      < EBS></ EBS>
    </UserCar>
  </QoSPolicyCAR>
</MQC>

```

```

<PIR></PIR>
<GreenAction>
  <GreenActionType></GreenActionType>
  <GreenActionValue></GreenActionValue>
</GreenAction>
<YellowAction>
  <YellowActionType></YellowActionType>
  <YellowActionValue></YellowActionValue>
</YellowAction>
<RedAction>
  <RedActionType></RedActionType>
  <RedActionValue></RedActionValue>
</RedAction>
<GreenPkts></GreenPkts>
<GreenBytes></GreenBytes>
<YellowPkts></YellowPkts>
<YellowBytes></YellowBytes>
<RedPkts></RedPkts>
<RedBytes></RedBytes>
</UserCar>
</QoSPolicyCAR>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	QoSPolicyCAR
Table type	Multi-instance table
Row name	UserCar
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DeviceNode	Device station	Index	Struct include: Chassis. Slot. CPUID	N/A
Chassis	Chassis number	Index	Unsigned integer.	N/A
Slot	Slot number	Index	Unsigned integer.	N/A
CPUID	CPUID number	Index	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
AuthType	Authentication type	Index	Enumeration: <ul style="list-style-type: none"> 0—Dot1x 1—Portal 2—ppp 3—IPOE 4—IPOE6 5—MACA 6—WLAN 	N/A
UserID	UserID	Index	Unsigned integer.	N/A
Direction	Application direction	Index	Enumeration: <ul style="list-style-type: none"> 0—Inbound. 1—Outbound. 	N/A
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A
CIR	Committed information rate	N/A	Unsigned integer.	N/A
CBS	Committed burst size	N/A	Unsigned integer.	N/A
EBS	Excess burst size	N/A	Unsigned integer.	N/A
PIR	Peak information rate	N/A	Unsigned integer.	N/A
GreenAction	Specify behavior for green packets	Data structure	Members include: <ul style="list-style-type: none"> GreenActionType GreenActionValue. 	
GreenActionType	Green action type	N/A	Enumeration: <ul style="list-style-type: none"> 1—pass. 2—remark-dscp-pass. 3—remark-prec-pass. 4—remark-mpls-exp-pass. 5—remark-dot1p-pass. 6—remark-atm-clp-pass. 7—remark-frde-pass. 8—remark-local-prec-pass. 10—discard. 19—continue. 	When GreenActionType is 1, send the packet. When GreenActionType is 2, remark DSCP value of the packet and send it. When GreenActionType is 3, remark IP precedence of the packet and send it. When GreenActionType is 4, remark EXP of the MPLS packet and send it. When GreenActionType is 5, remark 802.1p priority value of the packet and send it. When GreenActionType is 6, remark CLP bit of the ATM packet and send it. When GreenActionType is 7, remark DE bit of the FR packet

Column name	Column description	Column type	Data type and restrictions	Remarks
				and send it. When GreenActionType is 8 , remark local precedence of the packet and send it. When GreenActionType is 10 , drop the packet. When GreenActionType is 19 , continue to process the packet. When GreenActionType is 1 , 10 or 19 , GreenActionValue is invisible. When GreenActionType is 6 or 7 , GreenActionValue is 0 to 1 . When GreenActionType is 2 , GreenActionValue is 0 to 63 . When GreenActionType is 3 , 4 , 5 , 8 , GreenActionValue is 0 to 7 .
GreenActionValue	Green action value	N/A	Unsigned integer.	
YellowAction	Specify behavior for yellow packets	Data structure	Members include: <ul style="list-style-type: none"> • YellowActionType. • YellowActionValue. 	
			Enumeration: <ul style="list-style-type: none"> • 1—pass. • 2—remark-dscp-pass. • 3—remark-prec-pass. • 4—remark-mpls-exp-pass. • 5—remark-dot1p-pass. • 6—remark-atm-clp-pass. • 7—remark-frde-pass. • 8—remark-local-prec-pass. • 10—discard. • 19—continue. 	When YellowActionType is 1 , send the packet. When YellowActionType is 2 , remark DSCP value of the packet and send it. When YellowActionType is 3 , remark IP precedence of the packet and send it. When YellowActionType is 4 , remark EXP of the MPLS packet and send it. When YellowActionType is 5 , remark 802.1p priority value of the packet and send it. When YellowActionType is 6 , remark CLP bit of the ATM packet and send it. When YellowActionType is 7 , remark DE bit of the FR packet and send it. When YellowActionType is 8 , remark local precedence of the packet and send it. When YellowActionType is 10 ,
YellowActionType	Yellow Action Type	N/A		

Column name	Column description	Column type	Data type and restrictions	Remarks
				drop the packet. When GreenActionType is 19, continue to process the packet. When YellowActionType is 1, 10 or 19, YellowActionValue is invisible. When YellowActionType is 6 or 7, YellowActionValue is 0 to 1. When YellowActionType is 2, YellowActionValue is 0 to 63. When YellowActionType is 3, 4, 5, 8, YellowActionValue is 0 to 7.
YellowActionValue	Yellow Action Value	N/A	Unsigned integer.	
RedAction	Specify behavior for red packets	Data structure	Members include: <ul style="list-style-type: none"> • RedActionType. • RedActionValue. Enumeration: <ul style="list-style-type: none"> • 1—pass. • 2—remark-dscp-pass. • 3—remark-prec-pass. • 4—remark-mpls-exp-pass. • 5—remark-dot1p-pass. • 6—remark-atm-clp-pass. • 7—remark-frde-pass. • 8—remark-local-prec-pass. • 10—discard. • 19—continue. 	When RedActionType is 1, send the packet. When RedActionType is 2, remark DSCP value of the packet and send it. When RedActionType is 3, remark IP precedence of the packet and send it. When RedActionType is 4, remark EXP of the MPLS packet and send it. When RedActionType is 5, remark 802.1p priority value of the packet and send it. When RedActionType is 6, remark CLP bit of the ATM packet and send it. When RedActionType is 7, remark DE bit of the FR packet and send it. When RedActionType is 8, remark local precedence of the packet and send it. When RedActionType is 10, drop the packet. When GreenActionType is 19, continue to process the packet.
RedActionType	Red Action Type	N/A		
RedActionValue	Red Action Value	N/A	Unsigned integer.	When RedActionType is 1, 10 or 19, RedActionValue is

Column name	Column description	Column type	Data type and restrictions	Remarks
				invisible. When RedActionType is 6 or 7, RedActionValue is 0 to 1. When RedActionType is 2 , RedActionValue is 0 to 63. When RedActionType is 3, 4, 5, 8 , RedActionValue is 0 to 7.
GreenPkts	Number of green packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
GreenBytes	Bytes of green packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
YellowPkts	Number of yellow packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
YellowBytes	Bytes of yellow packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
RedPkts	Number of red packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
RedBytes	Bytes of red packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

MQC/QoSPolicyAccount

This table contains information about accounting running information applied to user.

XML structure

```

<MQC>
  <QoSPolicyAccount>
    <UserAccount>
      <DeviceNode>
        <Chassis></Chassis>
        <Slot></Slot>
        <CPUID></CPUID>
      </DeviceNode>
      <AuthType></AuthType>
      <UserID></UserID>
    </UserAccount>
  </QoSPolicyAccount>
</MQC>

```



```

    <Direction></Direction>
    <ClassName></ClassName>
    <Packets></Packets>
    <Bytes></Bytes>
    <pps></pps>
    <bps></bps>
  </UserAccount>
</QoSPolicyAccount>
</MQC>

```

Table description

Item	Description
Feature name	MQC
Table name	QoSPolicyAccount
Table type	Multi-instance table
Row name	UserAccount
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DeviceNode	Device station	Index	Struct include: Chassis. Slot. CPUID	N/A
Chassis	Chassis number	Index	Unsigned integer.	N/A
Slot	Slot number	Index	Unsigned integer.	N/A
CPUID	CPUID number	Index	Unsigned integer.	N/A
			Enumeration :	
			<ul style="list-style-type: none"> • 0—Dot1x • 1—Portal • 2—ppp • 3—IPOE • 4—IPOE6 • 5—MACA • 6—WLAN 	N/A
AuthType	AuthType	Index		
UserID	UserID	Index	Unsigned integer.	N/A
			Enumeration:	
Direction	Application direction	Index	<ul style="list-style-type: none"> • 0—Inbound. • 1—Outbound. 	N/A
ClassName	Classifier name	Index	String. Length: 1 to 31 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Packets	Accounting Packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
Bytes	Accounting Bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
pps	Accounting packets per second	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
bps	Accounting bits per second	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A

USERQOS/SessionIdentify

This table contains information about identify a session group on an interface.

XML structure

```

<USERQOS>
  <SessionIdentify>
    <Identify>
      <IfIndex></IfIndex>
      <Type></Type>
    </Identify>
  </SessionIdentify>
</USERQOS>

```

Table description

Item	Description
Feature name	USERQOS
Table name	SessionIdentify
Table type	Multi-instance table
Row name	Identify
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Type	Match type	N/A	Enumeration: <ul style="list-style-type: none"> 1—Customer-VLAN 2—Service-VLAN 3—Customer-Service-VLAN 4—Subscriber-ID 	To configure a session group profile for users, you must first use the operation.

USERQOS/Users

This table contains information about the status of QOS on user.

XML structure

```

<USERQOS>
  <Users>
    <User>
      <DeviceNode>
        <Chassis></Chassis>
        <Slot></Slot>
        <CPUID></CPUID>
      </DeviceNode>
      <AuthType></AuthType>
      <UserID></UserID>
      <UserProfileName></UserProfileName>
      <InUserCAR></InUserCAR>
      <OutUserCAR></OutUserCAR>
      <InUserQoSPolicy></InUserQoSPolicy>
      <OutUserQoSPolicy></OutUserQoSPolicy>
      <InUserGTS></InUserGTS>
      <OutUserGTS></OutUserGTS>
      <InUserPfilter></InUserPfilter>
      <OutUserPfilter></OutUserPfilter>
      <OutUserQueue></OutUserQueue>
      <SessionGroupProfileName></SessionGroupProfileName>
      <InGroupCAR></InGroupCAR>
      <OutGroupCAR></OutGroupCAR>
      <InGroupQmpfile></InGroupQmpfile>
      <OutGroupQmpfile></OutGroupQmpfile>
      <InGroupGTS></InGroupGTS>
      <OutGroupGTS></OutGroupGTS>
    </User>
  </Users>
</USERQOS>

```

Table description

Item	Description
Feature name	USERQOS
Table name	Users
Table type	Multi-instance table
Row name	User
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
DeviceNode	Device station	Index	Struct include: Chassis. Slot. CPUID	N/A
Chassis	Chassis number	Index	Unsigned integer.	N/A
Slot	Slot number	Index	Unsigned integer.	N/A
CPUID	CPUID number	Index	Unsigned integer.	N/A
AuthType	AuthType	Index	Enumeration : <ul style="list-style-type: none"> • 0—Dot1x • 1—Portal • 2—ppp • 3—IPOE • 4—IPOE6 • 5—MACA • 6—WLAN • 7—VPN-PEER 	N/A
UserID	UserID	Index	Unsigned integer.	N/A
UserProfileName	User profile name	N/A	String, case-insensitive. Length: 1 to 31 characters.	The string can only contain English letters, digits, underscores (_), minus(-), and dots (.). The name can start with an English letter or digit, and cannot contain only digits. The name must be unique globally.
InUserCAR	The status of inbound CAR on user profile	N/A	Enumeration : <ul style="list-style-type: none"> • 1—no configuration • 2—active • 3—inactive 	N/A
OutUserCAR	The status of	N/A	Enumeration :	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	outbound CAR on user profile		<ul style="list-style-type: none"> 1—no configuration 2—active 3—inactive 	
InUserQoSPolicy	The status of inbound Policy on user profile	N/A	Enumeration : <ul style="list-style-type: none"> 1—no configuration 2—active 3—inactive 	N/A
OutUserQoSPolicy	The status of outbound Policy on user profile	N/A	Enumeration : <ul style="list-style-type: none"> 1—no configuration 2—active 3—inactive 	N/A
InUserGTS	The status of inbound GTS on user profile	N/A	Enumeration : <ul style="list-style-type: none"> 1—no configuration 2—active 3—inactive 	N/A
OutUserGTS	The status of outbound GTS on user profile	N/A	Enumeration : <ul style="list-style-type: none"> 1—no configuration 2—active 3—inactive 	N/A
InUserPfilter	The status of inbound packter filter on user profile	N/A	Enumeration : <ul style="list-style-type: none"> 1—no configuration 2—active 3—inactive 	N/A
OutUserPfilter	The status of outbound packter filter on user profile	N/A	Enumeration : <ul style="list-style-type: none"> 1—no configuration 2—active 3—inactive 	N/A
OutUserQueue	The status of queue on user profile	N/A	Enumeration : <ul style="list-style-type: none"> 1—no configuration 2—active 3—inactive 	N/A
SessionGroupProfileName	Session group profile name	N/A	String, case-insensitive. Length: 1 to 31 characters.	The string can only contain English letters, digits, underscores (_), minus(-), and dots (.). The name can start with an English letter or digit, and cannot contain only digits. The name must be unique globally.
InGroupCAR	The status of inbound CAR on session group profile	N/A	Enumeration : <ul style="list-style-type: none"> 1—no configuration 2—active 3—inactive 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
OutGroupCAR	The status of outbound CAR on session group profile	N/A	Enumeration : <ul style="list-style-type: none"> • 1—no configuration • 2—active • 3—inactive 	N/A
InGroupQmprofile	The status of inbound qmprofile on session group profile	N/A	Enumeration : <ul style="list-style-type: none"> • 1—no configuration • 2—active • 3—inactive 	N/A
OutGroupQmprofile	The status of outbound qmprofile on session group profile	N/A	Enumeration : <ul style="list-style-type: none"> • 1—no configuration • 2—active • 3—inactive 	N/A
InGroupGTS	The status of inbound GTS on session group profile	N/A	Enumeration : <ul style="list-style-type: none"> • 1—no configuration • 2—active • 3—inactive 	N/A
OutGroupGTS	The status of outbound GTS on session group profile	N/A	Enumeration : <ul style="list-style-type: none"> • 1—no configuration • 2—active • 3—inactive 	N/A

Contents

- VBR 1
 - VBR/PE/SetConfiguration 1
 - XML structure 1
 - Table description 1
 - Columns 1
 - VBR/PE/Configuration 1
 - XML structure 2
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 - Table description 2
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VBR

VBR/PE/SetConfiguration

This table contains PEX local forwarding capability information on a PEX.

XML structure

```
<VBR>
  <PE>
    <SetConfiguration>
      <LocalForwarding></LocalForwarding>
      <ShutdownIfWhenOffline></ShutdownIfWhenOffline>
    </SetConfiguration>
  </PE>
</VBR>
```

Table description

Item	Description
Feature name	VBR
Table name	SetConfiguration
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
LocalForwarding	Whether PEX local forwarding capability is enabled	N/A	Boolean: <ul style="list-style-type: none">true.false (default).	N/A
ShutdownIfWhenOffline	Whether all user-side ports will be shut down when the PEX is offline	N/A	Boolean: <ul style="list-style-type: none">true.false (default).	N/A

VBR/PE/Configuration

This table manages configuration for PEXs.

XML structure

```
<VBR>
  <PE>
    <Configuration>
      <Save/>
      <Recover>
        <Associate></Associate>
        <Name></Name>
      </Recover>
    </Configuration>
  </PE>
</VBR>
```

Response XML structure

```
<VBR>
  <PE>
    <Configuration>
      <Name></Name>
    </Configuration>
  </PE>
</VBR>
```

Table description

Item	Description
Feature name	VBR
Table name	Configuration
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Associate	Virtual chassis number or slot number of a PEX	N/A	Unsigned integer.	For distributed parent devices, this object represents the virtual chassis number. For centralized parent devices, this object represents the virtual slot number.
Name	Configuration file	N/A	String.	The file name is in the

Column name	Column description	Column type	Data type and restrictions	Remarks
	name		Length: 1 to 255 characters.	format of <code>pex_peek.cfg</code> . The <i>peek</i> argument represents the virtual chassis number or slot number of the PEX. For example: <code>pex_100.cfg</code> .

Responded columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Configuration file name	N/A	String. Length: 1 to 255 characters.	The configuration file name is <code>pex.cfg</code> . This object responds to the save operation.

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 - Columns1
 - VBR/CB/CascadePorts1
 - XML structure2
 - Table description2
 - Columns2

VBR

VBR/CB/Groups

This table contains PEX group information on the parent fabric.

XML structure

```
<VBR>
  <CB>
    <Groups>
      <Group>
        <ID></ID>
        <Description></Description>
      </Group>
    </Groups>
  </CB>
</VBR>
```

Table description

Item	Description
Feature name	VBR
Table name	Groups
Table type	Multi-instance table
Row name	Group
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ID	PEX group ID.	index	Unsigned integer.	N/A
Description	PEX group description.	N/A	String, case-insensitive. Length: 1 to 79 characters. Default: PEX group XXX (XXX represents the PEX group ID).	N/A

VBR/CB/CascadePorts

This table contains cascade port configuration information on the parent fabric.

XML structure

```
<VBR>
  <CB>
    <CascadePorts>
      <CascadePort>
        <IfIndex></IfIndex>
        <Group></Group>
        <Associate></Associate>
        <LocalForwarding></LocalForwarding>
        <ShutdownIfWhenPEOffline></ShutdownIfWhenPEOffline>
      </CascadePort>
    </CascadePorts>
  </CB>
</VBR>
```

Table description

Item	Description
Feature name	VBR
Table name	CascadePorts
Table type	Multi-instance table
Row name	CascadePort
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Aggregate interface index.	index	Unsigned integer.	Some versions support interface name. For more information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.

Column name	Column description	Column type	Data type and restrictions	Remarks
Group	PEX group ID.	N/A	Unsigned integer.	If this column has a valid value, the PEX connection capability of the aggregate interface is enabled. In other situations, the PEX connection capability of the aggregate interface is not enabled.
Associate	Associated virtual chassis number or slot number of the PEX port.	N/A	Unsigned integer.	For distributed parent devices, this object represents the virtual chassis number. For centralized parent devices, this object represents the virtual slot number.
LocalForwarding	Whether PEX local forwarding capability is enabled.	N/A	Boolean: <ul style="list-style-type: none"> true. false (default). 	N/A
ShutdownIfWhenPEOffline	Whether all user-side ports on the PEX will be shut down when the PEX is offline.	N/A	Boolean: <ul style="list-style-type: none"> true false (default). 	N/A

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VCF

VCF/Topos

This table contains VCF topology information.

XML structure

```
<VCF>
  <Topos>
    <TopoItem>
      <IfIndex></IfIndex>
      <MacAddress></MacAddress>
      <PeerInterface></PeerInterface>
      <LocalInterface></LocalInterface>
      <Role></Role>
      <SystemName></SystemName>
      <PeerIP></PeerIP>
      <LoopbackIP></LoopbackIP>
      <Loopback1IP></Loopback1IP>
    </TopoItem>
  </Topos>
</VCF>
```

Table description

Item	Description
Feature name	VCF
Table name	Topos
Table type	Multi-instance table
Row name	TopoItem
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer. Length: 32 bits.	Some versions support interface name. For relevant information, see the XSD document of your product. For

Column name	Column description	Column type	Data type and restrictions	Remarks
				information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration
MacAddress	MAC address	index	Six groups of two hexadecimal digits, hyphen-separated.	Example: 00-0c-af-e3-5d-c0.
PeerInterface	Neighbor interface name	index	String. Length: 1 to 47 characters. Enumeration:	
Role	Neighbor role	N/A	<ul style="list-style-type: none"> • 1—spine. • 2—leaf. • 3—access. • 4—computer. 	
LocalInterface	Interface name	N/A	String. Length: 1 to 47 characters.	
SystemName	System name	N/A	String. Length: 0 to 255 characters.	0 denotes Null.
PeerIP	Neighbor management address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
LoopbackIP	Neighbor Loopback0 address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
Loopback1IP	Neighbor Loopback1 address.	N/A	String, dotted decimal notation.	Example: 1.1.1.1.

VCF/Role

This table contains VCF role name information.

XML structure

```

<VCF>
  <Role>
    <Name></Name>
  </Role>
</VCF>

```

Table description

Item	Description
Feature name	VCF
Table name	Role
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Role name	N/A	String: <ul style="list-style-type: none">• access• leaf• spine• computer	

VCF/Underlay

This table contains VCF underlay information.

XML structure

```
<VCF>
  <Underlay>
    <PauseStatus></PauseStatus>
    <Completion></Completion>
    <Maddr></Maddr>
    <Mask></Mask>
    <Mac></Mac>
    <StandByMac></StandByMac>
    <SN></SN>
    <Execution></Execution>
  </Underlay>
</VCF>
```

Table description

Item	Description
Feature name	VCF
Table name	Underlay
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
PauseStatus	Underlay pause status	N/A	Boolean: <ul style="list-style-type: none"> true—pause false—running (default) 	
Completion	Underlay completion	N/A	Boolean: <ul style="list-style-type: none"> true—completion false—incompletion (default) 	If Vlan-interface4094 or Vsi-interface4094 have ipv4, completion status will be set true.
Maddr	Management address	N/A	Unsigned integer. Length: 32 bits.	Vlan-interface4094 or Vsi-interface4094 ipAdress.
Mask	Management address Mask	N/A	Unsigned integer. Length: 32 bits.	Vlan-interface4094 or Vsi-interface4094 mask .
Mac	Bridge Mac	N/A	Six groups of two hexadecimal digits, hyphen-separated.	Example: 00-0c-af-e3-5d-c0.
StandByMac	Standby Original Bridge Mac	N/A	Six groups of two hexadecimal digits, hyphen-separated	StandByMac default 00-00-00-00-00-00. If irf mode, "StandByMac" means standby original Bridge Mac .Example: 00-0c-af-e3-5d-c1.
SN	Device serial number	N/A	String	
Execution	Finished phase	N/A	String	Example: 1.0.1, 1.0.2, means, Underlay has finished phase: 1.0.1, 1.0.2

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Table description.....	21
Columns.....	21

VLAN

VLAN/VLANs

This table contains basic VLAN information.

XML structure

```
<VLAN>
  <VLANs>
    <VLANID>
      <ID></ID>
      <Description></Description>
      <Name></Name>
      <AccessPortList></AccessPortList>
      <Ipv4>
        <Ipv4Address></Ipv4Address>
        <Ipv4Mask></Ipv4Mask>
      </Ipv4>
    </VLANID>
  </VLANs>
</VLAN>
```

Table description

Item	Description
Feature name	VLAN
Table name	VLANs
Table type	Multi-instance table
Row name	VLANID
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ID	VLAN ID	Index	Unsigned integer. Value range: 1 to 4094.	N/A
Description	VLAN description	N/A	String. Length: 1 to 255 characters. Default: VLAN <i>vlan-id</i> .	Example: VLAN 0001.

Column name	Column description	Column type	Data type and restrictions	Remarks
			The <i>vlan id</i> argument uses the four-digit form. If the VLAN ID has less than four digits, leading zeros are added.	
Name	VLAN name	N/A	String. Length: 1 to 32 characters. Default: VLAN <i>vlan-id</i> . The <i>vlan id</i> argument uses the four-digit form. If the VLAN ID has less than four digits, leading zeros are added.	Example: VLAN 0001.
AccessPortList	Access port list of the VLAN	N/A	Number string. It is a comma-separated list of port index items. An item can be an individual port index or a port index range. Use a hyphen (-) to separate the start and end port indexes of a range. The string cannot end with a comma or hyphen, or include any whitespace characters. By default, a VLAN does not have an access port list.	Example: 1,2,3,5-8,10-20. Available port indexes are in the PortIndex column in the Ifmgr/Interfaces table.
Ipv4	IPv4 address of the VLAN interface	Data structure	Members include: <ul style="list-style-type: none"> Ipv4Address. Ipv4Mask. 	You must configure both the IP address and mask if the operation is merge , create , or replace . You can configure only the IP address if the operation is delete or remove .
Ipv4Address	IPv4 address of the VLAN interface	N/A	String, dotted decimal notation.	Example: 1.1.1.1. When you perform the merge , create , or replace operation, the system creates the VLAN interface automatically if the VLAN interface has not been created.
Ipv4Mask	IPv4 address mask	N/A	String, dotted decimal notation.	Example: 55.255.255.0.

VLAN/AccessInterfaces

This table contains information about Access ports.

XML structure

```
<VLAN>
  <AccessInterfaces>
    <Interface>
      <IfIndex></IfIndex>
      <PVID></PVID>
    </Interface>
  </AccessInterfaces>
</VLAN>
```

Table description

Item	Description
Feature name	VLAN
Table name	AccessInterfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 2 interfaces.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see Ifmgr in <i>Ifmgr NETCONF XML API Configuration Reference</i> .
PVID	Port VLAN ID	N/A	Value range: 1 to 4094.	N/A

VLAN/TrunkInterfaces

This table contains information about Trunk ports.

XML structure

```
<VLAN>
  <TrunkInterfaces>
    <Interface>
      <IfIndex></IfIndex>
      <PermitVlanList></PermitVlanList>
      <PVID></PVID>
    </Interface>
  </TrunkInterfaces>
</VLAN>
```

Table description

Item	Description
Feature name	VLAN
Table name	TrunkInterfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 2 interfaces.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see Ifmgr in <i>Ifmgr NETCONF XML API Configuration Reference</i> .
PermitVlanList	List of permitted VLANs on the port	N/A	Number string. It is a comma-separated list of VLAN items. An item can be an individual VLAN ID or a VLAN ID range. Use a hyphen (-) to separate the start and end VLANs of a range. The string cannot end with a comma or hyphen, or include any whitespace characters.	Example: 1,2,3,5-8,10-20. The item is permitted to incremental edit. You can sign the flag like "<PermitVlanList base:incremental='true'>". If the value is true, the vlan list will be added or removed. Otherwise, it is the final result.
PVID	Port VLAN ID	N/A	Value range: 1 to 4094.	N/A

VLAN/HybridInterfaces

This table contains information about Hybrid ports.

XML structure

```
<VLAN>
  <HybridInterfaces>
    <Interface>
      <IfIndex></IfIndex>
      <UntaggedVlanList></UntaggedVlanList>
      <TaggedVlanList></TaggedVlanList>
      <PVID></PVID>
    </Interface>
  </HybridInterfaces>
</VLAN>
```

Table description

Item	Description
Feature name	VLAN
Table name	HybridInterfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 2 interfaces.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see Ifmgr in <i>Ifmgr NETCONF XML API Configuration Reference</i> .
UntaggedVlanList	List of VLANs to which the port is assigned as an untagged VLAN member	N/A	Number string. It is a comma-separated list of VLAN items. An item can be an individual VLAN ID or a VLAN ID range. Use a hyphen (-) to separate	Example: 1,2,3,5-8,10-20. Do not specify a VLAN both in this column and the TaggedVlanList column. The item is permitted to incremental edit. You can

Column name	Column description	Column type	Data type and restrictions	Remarks
			the start and end VLANs of a range. The string cannot end with a comma or hyphen, or include any whitespace characters.	sign the flag like "<UntaggedVlanList base:incremental='true'>". If the value is true, the vlan list will be added or removed. Otherwise, it is the final result.
TaggedVlanList	List of VLANs to which the port is assigned as a tagged VLAN member	N/A	Number string. It is a comma-separated list of VLAN items. An item can be an individual VLAN ID or a VLAN ID range. Use a hyphen (-) to separate the start and end VLANs of a range. The string cannot end with a comma or hyphen, or include any whitespace characters. By default, a port is not assigned to any VLANs as a tagged member.	Example: 1,2,3,5-8,10-20. Do not specify a VLAN both in this column and the UntaggedVlanList column. The item is permitted to incremental edit. You can sign the flag like "<TaggedVlanList base:incremental='true'>". If the value is true, the vlan list will be added or removed. Otherwise, it is the final result.
PVID	Port VLAN ID	N/A	Value range: 1 to 4094.	N/A

VLAN/QinQ

This table contains QinQ information of all ports.

XML structure

```

<VLAN>
  <QinQ>
    <ServiceTPID></ServiceTPID>
    <CustomerTPID></CustomerTPID>
  </QinQ>
</VLAN>

```

Table description

Item	Description
Feature name	VLAN
Table name	QinQ
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ServiceTPID	TPID value in the service VLAN tag.	N/A	Unsigned integer. Value range: 1 to 65535.	Excluding the reserved EtherType values listed in Table 1.
CustomerTPID	TPID value in the customer VLAN tag.	N/A	Unsigned integer. Value range: 1 to 65535.	Excluding the reserved EtherType values listed in Table 1.

Table 1 Reserved EtherType values

Protocol type	Value
ARP	2054
PUP	512
RARP	32821
IP	2048
IPv6	34525
PPPoE	34915/34916
MPLS	34887/34888
IPX/SPX	33079
IS-IS	32768
LACP	34825
LLDP	35020
802.1X	34958
802.1ag	35074
Cluster	34983
Reserved	65533/65534/65535

VLAN/QinQPorts

This table contains QinQ information for a port.

XML structure

```
<VLAN>
  <QinQPorts>
    <Interface>
      <IfIndex></IfIndex>
      <QinQ></QinQ>
      <ServiceTPID></ServiceTPID>
      <CustomerTPID></CustomerTPID>
```

```

    <TransVlanList></TransVlanList>
  </Interface>
</QinQPorts>
</VLAN>

```

Table description

Item	Description
Feature name	VLAN
Table name	QinQPorts
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 2 interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see Ifmgr in <i>Ifmgr NETCONF XML API Configuration Reference</i> .
QinQ	Whether QinQ is enabled on the port.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
ServiceTPID	TPID value in the service VLAN tag on the port.	N/A	Unsigned integer. Value range:1 to 65535.	Excluding the reserved EtherType values listed in Table 1.
CustomerTPID	TPID value in the customer VLAN tag on the port.	N/A	Unsigned integer. Value range: 1 to 65535.	Excluding the reserved EtherType values listed in Table 1.
TransVlanList	List of transparent VLANs on the port.	N/A	Number string. It is a comma-separated list of VLAN items. An item can be an individual VLAN ID or a VLAN ID range. Use a hyphen (-) to separate the start and end VLANs of a range. The string cannot end with a comma or hyphen,	Example: 1,2,3,5-8,10-20. This VLANs cannot exist in CustomerOuterVlan on table VLAN/VLANMapping.

Column name	Column description	Column type	Data type and restrictions	Remarks
			or include any whitespace characters.	

VLAN/VLANnetworkNto1mapping

This table contains network-side many-to-one VLAN mapping information.

XML structure

```

<VLAN>
  <VLANnetworkNto1mapping>
    <Interface>
      <IfIndex></IfIndex>
      <NNI></NNI>
    </Interface>
  </VLANnetworkNto1mapping>
</VLAN>

```

Table description

Item	Description
Feature name	VLAN
Table name	VLANnetworkNto1mapping
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 2 interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
			•	
			•	

Column name	Column description	Column type	Data type and restrictions	Remarks
NNI	Whether the network-side interface for VLAN mapping is enabled on the port.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A

VLAN/VLAN1to1mapping

This table contains VLAN one-to-one mapping information.

XML structure

```

<VLAN>
  <VLAN1to1mapping>
    <Interface>
      <IfIndex></IfIndex>
      <OriginalVlan></OriginalVlan>
      <TranslatedVlan></TranslatedVlan>
    </Interface>
  </VLAN1to1mapping>
</VLAN>

```

Table description

Item	Description
Feature name	VLAN
Table name	VLAN1to1mapping
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 2 interfaces.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr

Column name	Column description	Column type	Data type and restrictions	Remarks
				NETCONF XML API Configuration Reference.
OriginalVlan	Original VLAN for one to one VLAN mapping.	Index	Unsigned integer. Value range: 1 to 4094.	N/A.
TranslatedVlan	Translated VLAN for one to one mapping.	N/A	Unsigned integer. Value range: 1 to 4094.	N/A

VLAN/VLANUserNto1mapping

This table contains user-side many-to-one VLAN mapping information.

XML structure

```

<VLAN>
  <VLANUserNto1mapping>
    <Interface>
      <IfIndex></IfIndex>
      <OriginalStartVlan></OriginalStartVlan>
      <OriginalEndVlan></OriginalEndVlan>
      <TranslatedVlan></TranslatedVlan>
    </Interface>
  </VLANUserNto1mapping>
</VLAN>

```

Table description

Item	Description
Feature name	VLAN
Table name	VLANUserNto1mapping
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 2 interfaces.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant

Column name	Column description	Column type	Data type and restrictions	Remarks
				information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
OriginalStartVlan	Start VLAN of the original VLAN for many-to-one VLAN mapping.	Index	Unsigned integer. Value range: 1 to 4094.	N/A.
Original EndVlan	End VLAN of the original VLAN for many-to-one VLAN mapping.	Index	Unsigned integer. Value range: 1 to 4094.	N/A.
TranslatedVlan	Translated VLAN for many-to-one VLAN mapping.	N/A	Unsigned integer. Value range: 1 to 4094.	N/A.

VLAN/VLAN1to2mapping

This table contains one-to-two VLAN mapping information.

XML structure

```

<VLAN>
  <VLAN1to2mapping>
    <Interface>
      <IfIndex></IfIndex>
      <CustomerStartVlan></CustomerStartVlan>
      <CustomerEndVlan></CustomerEndVlan>
      <NestedVlan></NestedVlan>
    </Interface>
  </VLAN1to2mapping>
</VLAN>

```

Table description

Item	Description
Feature name	VLAN
Table name	VLAN1To2mapping
Table type	Multi-instance table
Row name	Interface

Item	Description
Restrictions	This table supports only Layer 2 interfaces.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
CustomerStartVlan	Start VLAN of the customer VLAN for one-to-two vlan mapping.	Index	Unsigned integer. Value range: 1 to 4094.	N/A.
CustomerEndVlan	End VLAN of the customer VLAN for one-to-two VLAN mapping.	Index	Unsigned integer. Value range: 1 to 4094.	N/A
NestedVlan	Nest VLAN for one-to-two VLAN mapping.	N/A	Unsigned integer. Value range: 1 to 4094.	N/A.

VLAN/VLAN2to2mapping

This table contains VLAN two-to-two VLAN mapping information.

XML structure

```

<VLAN>
  <VLAN2to2mapping>
    <Interface>
      <IfIndex></IfIndex>
      <OuterVlan></OuterVlan>
      <InnerVlan></InnerVlan>
      <TranslatedOuterVlan></TranslatedOuterVlan>
      <TranslatedInnerVlan></TranslatedInnerVlan>
    </Interface>
  </VLAN2to2mapping>
</VLAN>

```

Table description

Item	Description
Feature name	VLAN
Table name	VLAN2to2mapping
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 2 interfaces.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
OuterVlan	Outer VLAN for two-to-two VLAN mapping.	Index	Unsigned integer. Value range: 1 to 4094.	N/A.
InnerVlan	Inner VLAN for two-to-two VLAN mapping.	Index	Unsigned integer. Value range: 1 to 4094.	N/A.
TranslatedOuterVlan	Translated outer VLAN for two-to-two VLAN mapping.	N/A	Unsigned integer. Value range: 1 to 4094.	N/A.
TranslatedInnerVlan	Translated inner VLAN for two-to-two VLAN mapping.	N/A	Unsigned integer. Value range: 1 to 4094.	N/A.

VLAN/VLAN0to2mapping

This table contains zero-to-two VLAN mapping information.

XML structure

```
<VLAN>
  <VLAN0to2mapping>
    <Interface>
```

```

    <IfIndex></IfIndex>
    <ServiceOuterVlan></ServiceOuterVlan>
    <ServiceInnerVlan></ServiceInnerVlan>
  </Interface>
</VLAN0to2mapping>
</VLAN>

```

Table description

Item	Description
Feature name	VLAN
Table name	VLAN0to2mapping
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 2 interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
ServiceOuterVlan	Outer service VLAN for zero-to-two VLAN mapping.	N/A	Unsigned integer. Value range: 1 to 4094.	N/A.
ServiceInnerVlan	Inner service VLAN for zero-to-two VLAN mapping.	N/A	Unsigned integer. Value range: 1 to 4094.	N/A.

VLAN/VLAN2to3mapping

This table contains two-to-three VLAN mapping information.

XML structure

```

<VLAN>
  <VLAN2to3mapping>

```

```

<Interface>
  <IfIndex></IfIndex>
  <OuterStartVlan></OuterStartVlan>
  <OuterEndVlan></OuterEndVlan>
  <InnerStartVlan></InnerStartVlan>
  <InnerEndVlan></InnerEndVlan>
  <NestedVlan></NestedVlan>
</Interface>
</VLAN2to3mapping>
</VLAN>

```

Table description

Item	Description
Feature name	VLAN
Table name	VLAN2to3mapping
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 2 interfaces.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
OuterStartVlan	Start VLAN of the outer VLAN for two-to-three VLAN mapping.	Index	Unsigned integer. Value range: 1 to 4094.	N/A.
OuterEndVlan	End VLAN of the outer VLAN for two-to-three VLAN mapping.	Index	Unsigned integer. Value range: 1 to 4094.	N/A
InnerStartVlan	Start VLAN of the inner vlan for two-to-three VLAN mapping.	Index	Unsigned integer. Value range: 1 to 4094.	N/A.

Column name	Column description	Column type	Data type and restrictions	Remarks
InnerEndVlan	End VLAN of the inner VLAN for two-to-three VLAN mapping.	Index	Unsigned integer. Value range: 1 to 4094.	N/A.
NestedVlan	Nest VLAN for two-to-three VLAN mapping.	N/A	Unsigned integer. Value range: 1 to 4094.	N/A.

VLAN/VoiceInfo

This table contains voice VLAN information.

XML structure

```

<VLAN>
  <VoiceInfo>
    <AgingTime></AgingTime>
    <LLDPTrack></LLDPTrack>
    <Mode></Mode>
  </VoiceInfo>
</VLAN>

```

Table description

Item	Description
Feature name	VLAN
Table name	VoiceInfo
Table type	Single-instance table
Row name	N/A
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AgingTime	Voice VLAN aging time.	N/A	Unsigned integer, in minutes. Value range: 5 to 43200 minutes.	By default, the aging time is 1440 minutes.
LLDPTrack	Whether LLDP is enabled for automatic IP phone discovery.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Mode	Voice VLAN security mode.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Security. 2—Normal. 	By default, the voice VLAN security mode is enabled.

VLAN/VoiceOUI

This table contains voice VLAN OUI address information.

XML structure

```

<VLAN>
  <VoiceOUI>
    <OUI>
      <Address></Address>
      <Mask></Mask>
      <Description></Description>
    </OUI>
  </VoiceOUI>
</VLAN>

```

Table description

Item	Description
Feature name	VLAN
Table name	VoiceOUI
Table type	Multi-instance table
Row name	OUI
Restrictions	This table does not support merge, replace, remove operations.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Address	Source MAC address of voice traffic	Index	Six groups of two hexadecimal digits, hyphen-separated.	For example, 12-34-12-34-12-34.
Mask	Valid length of the OUI address by a mask.	N/A	Six groups of two hexadecimal digits, hyphen-separated.	The mask contains consecutive 1s and 0s. For example, FF-FF-00-00-00-00.
Description	OUI address description.	N/A	Case-sensitive string of 1 to 30 characters.	N/A

VLAN/VoicePorts

This table contains voice VLAN information for a port.

XML structure

```
<VLAN>
  <VoicePorts>
    <Interface>
      <IfIndex></IfIndex>
      <Vlan></Vlan>
      <Mode></Mode>
      <QoS>
        <Trust></Trust>
        <CoS></CoS>
        <DSCP></DSCP>
      </QoS>
    </Interface>
  </VoicePorts>
</VLAN>
```

Table description

Item	Description
Feature name	VLAN
Table name	VoicePorts
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 2 interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see Ifmgr in <i>Ifmgr NETCONF XML API Configuration Reference</i> .
Vlan	Voice VLAN ID on	N/A	Unsigned integer.	Valid only on a hybrid or trunk port

Column name	Column description	Column type	Data type and restrictions	Remarks
	the port.		Value range: 2 to 4094	operating in automatic voice VLAN assignment mode.
Mode	Voice VLAN assignment mode on the port:.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Automatic. 2—Manual. 	By default, a port operates in automatic voice VLAN assignment mode.
QoS	QoS information of voice VLAN on the port.	N/A	Include: <ul style="list-style-type: none"> Trust. CoS. DSCP. 	N/A
Trust	Whether the QoS priority settings is trusted for incoming voice VLAN packets.	N/A	Boolean: <ul style="list-style-type: none"> true false 	When a port trusts the QoS priority settings in incoming voice VLAN packets, the port does not modify their CoS and DSCP values.
CoS	CoS value for incoming voice VLAN packets on the port.	N/A	Unsigned integer. Value range: 0 to 7	Valid only when the Trust label above is false. The value is 6 by default.
DSCP	DSCP value for incoming voice VLAN packets on the port.	N/A	Unsigned integer. Value range: 0 to 63	Valid only when the Trust label above is false,. The value is 46 by default.

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VLAN

VLAN/VLANs

This table contains basic VLAN information.

XML structure

```
<VLAN>
  <VLANs>
    <VLANID>
      <ID></ID>
      <Description></Description>
      <Name></Name>
      <RouteIfIndex></RouteIfIndex>
      <UntaggedPortList></UntaggedPortList>
      <TaggedPortList></TaggedPortList>
      <Shared></Shared>
    </VLANID>
  </VLANs>
</VLAN>
```

Table description

Item	Description
Feature name	VLAN
Table name	VLANs
Table type	Multi-instance table
Row name	VLANID
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ID	VLAN ID	Index	Unsigned integer. Value range: 1 to 4094.	N/A
Description	VLAN description	N/A	String. Length: 1 to 255 characters.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	VLAN name	N/A	String. Length: 1 to 32 characters.	N/A
RoutelIndex	VLAN interface index	N/A	Unsigned integer.	This column is not displayed if the VLAN interface does not exist. Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
UntaggedPortList	List of ports that are assigned to the VLAN as untagged VLAN members	N/A	Number string. It is a comma-separated list of port index items. An item can be an individual port index or a port index range. Use a hyphen (-) to separate the start and end port indexes of a range. The string cannot end with a comma or hyphen, or include any whitespace characters.	Example: 1,2,3,5-8,10-20. Available port indexes are in the PortIndex column in the Ifmgr/Interfaces table. These ports forward traffic with the VLAN tag removed.
TaggedPortList	List of ports that are assigned to the VLAN as tagged VLAN members	N/A	Number string. It is a comma-separated list of port index items. An item can be an individual port index or a port index range. Use a hyphen (-) to separate the start and end port indexes of a range. The string cannot end with a comma or hyphen, or include any whitespace characters.	Example: 1,2,3,5-8,10-20. Available port indexes are in the PortIndex column in the Ifmgr/Interfaces table. These ports forward traffic without removing the VLAN tag.
Shared	Whether the VLAN is shared	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A

VLAN/Interfaces

This table contains VLAN information for a port.

XML structure

```
<VLAN>
  <Interfaces>
    <Interface>
      <IfIndex></IfIndex>
      <Name></Name>
      <LinkType></LinkType>
      <PVID></PVID>
      <UntaggedVlanList></UntaggedVlanList>
      <TaggedVlanList></TaggedVlanList>
      <PermitVlanList></PermitVlanList>
    </Interface>
  </Interfaces>
</VLAN>
```

Table description

Item	Description
Feature name	VLAN
Table name	Interfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 2 interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
Name	Full name of the interface, including the interface type and number	N/A	String. Length: 2 to 47 characters.	N/A
LinkType	Port link type	N/A	Enumeration: <ul style="list-style-type: none">1—Access.2—Trunk.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			<ul style="list-style-type: none"> 3—Hybrid. 	
PVID	Port VLAN ID	N/A	Value range: 1 to 4094.	N/A
UntaggedVlanList	List of VLANs to which the port is assigned as an untagged VLAN member	N/A	<p>Number string.</p> <p>It is a comma-separated list of VLAN items. An item can be an individual VLAN ID or a VLAN ID range. Use a hyphen (-) to separate the start and end VLANs of a range.</p> <p>The string cannot end with a comma or hyphen, or include any whitespace characters.</p>	Example: 1,2,3,5-8,10-20.
TaggedVlanList	List of VLANs to which the port is assigned as a tagged VLAN member	N/A	<p>Number string.</p> <p>It is a comma-separated list of VLAN items. An item can be an individual VLAN ID or a VLAN ID range. Use a hyphen (-) to separate the start and end VLANs of a range.</p> <p>The string cannot end with a comma or hyphen, or include any whitespace characters.</p>	<p>Example: 1,2,3,5-8,10-20.</p> <p>The column is available only for trunk and hybrid ports.</p>
PermitVlanList	List of permitted VLANs on the port	N/A	<p>Number string.</p> <p>It is a comma-separated list of VLAN items. An item can be an individual VLAN ID or a VLAN ID range. Use a hyphen (-) to separate the start and end VLANs of a range.</p> <p>The string cannot end with a comma or hyphen, or include any whitespace characters.</p>	<p>Example: 1,2,3,5-8,10-20.</p> <p>The column is available only for trunk ports.</p>

VLAN/AccessInterfaces

This table contains information about Access ports.

XML structure

```

<VLAN>
  <AccessInterfaces>
    <Interface>
      <IfIndex></IfIndex>
      <PVID></PVID>
    </Interface>
  </AccessInterfaces>
</VLAN>

```

```

    </AccessInterfaces>
  </VLAN>

```

Table description

Item	Description
Feature name	VLAN
Table name	AccessInterfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 2 interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
PVID	Port VLAN ID	N/A	Value range: 1 to 4094.	N/A

VLAN/TrunkInterfaces

This table contains information about Trunk ports.

XML structure

```

<VLAN>
  <TrunkInterfaces>
    <Interface>
      <IfIndex></IfIndex>
      <PermitVlanList></PermitVlanList>
      <PVID></PVID>
    </Interface>
  </TrunkInterfaces>
</VLAN>

```


Table description

Item	Description
Feature name	VLAN
Table name	TrunkInterfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 2 interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
PermitVlanList	List of permitted VLANs on the port	N/A	Number string. It is a comma-separated list of VLAN items. An item can be an individual VLAN ID or a VLAN ID range. Use a hyphen (-) to separate the start and end VLANs of a range. The string cannot end with a comma or hyphen, or include any whitespace characters.	N/A
PVID	Port VLAN ID	N/A	Value range: 1 to 4094.	N/A

VLAN/HybridInterfaces

This table contains information about Hybrid ports.

XML structure

```
<VLAN>
  <HybridInterfaces>
    <Interface>
      <IfIndex></IfIndex>
      <UntaggedVlanList></UntaggedVlanList>
```

```

    <TaggedVlanList></TaggedVlanList>
    <PVID></PVID>
  </Interface>
</HybridInterfaces>
</VLAN>

```

Table description

Item	Description
Feature name	VLAN
Table name	HybridInterfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 2 interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see “Appendix” in Ifmgr NETCONF XML API Configuration Reference.
UntaggedVlanList	List of VLANs to which the port is assigned as an untagged VLAN member	N/A	Number string. It is a comma-separated list of VLAN items. An item can be an individual VLAN ID or a VLAN ID range. Use a hyphen (-) to separate the start and end VLANs of a range. The string cannot end with a comma or hyphen, or include any whitespace characters.	N/A
TaggedVlanList	List of VLANs to which the port is assigned as a tagged VLAN member	N/A	Number string. It is a comma-separated list of VLAN items. An item can be an individual VLAN ID or a VLAN ID range. Use a hyphen (-) to separate the start and end VLANs of a range. The string cannot end	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			with a comma or hyphen, or include any whitespace characters. By default, a port is not assigned to any VLANs as a tagged member.	
PVID	Port VLAN ID	N/A	Value range: 1 to 4094.	N/A

VLAN/QinQ

This table contains QinQ information of all ports.

XML structure

```
<VLAN>
  <QinQ>
    <ServiceTPID></ServiceTPID>
    <CustomerTPID></CustomerTPID>
  </QinQ>
</VLAN>
```

Table description

Item	Description
Feature name	VLAN
Table name	QinQ
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ServiceTPID	TPID value in the service VLAN tag.	N/A	Unsigned integer. Value range: 1 to 65535.	N/A
CustomerTPID	TPID value in the customer VLAN tag.	N/A	Unsigned integer. Value range: 1 to 65535.	N/A

VLAN/QinQPorts

This table contains QinQ information for a port.

XML structure

```
<VLAN>
  <QinQPorts>
    <Interface>
      <IfIndex></IfIndex>
      <QinQ></QinQ>
      <ServiceTPID></ServiceTPID>
      <CustomerTPID></CustomerTPID>
      <TransVlanList></TransVlanList>
    </Interface>
  </QinQPorts>
</VLAN>
```

Table description

Item	Description
Feature name	VLAN
Table name	QinQPorts
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 2 interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
QinQ	Whether QinQ is enabled on the port.	N/A	Boolean: <ul style="list-style-type: none">truefalse	N/A
ServiceTPID	The TPID value in the service VLAN tag on the port.	N/A	Unsigned integer. Value range: 1 to 65535.	N/A
CustomerTPID	The TPID value in the customer VLAN tag on the port.	N/A	Unsigned integer. Value range: 1 to 65535.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
TransVlanList	List of transparent VLANs on the port.	N/A	Number string. It is a comma-separated list of VLAN items. An item can be an individual VLAN ID or a VLAN ID range. Use a hyphen (-) to separate the start and end VLANs of a range. The string cannot end with a comma or hyphen, or include any whitespace characters.	Example: 1,2,3,5-8,10-20. This VLANs cannot exist in CustomerOuterVlan on table VLAN/VLANMapping.

VLAN/QinQCapabilities

This table contains QinQ capabilities information.

XML structure

```

<VLAN>
  <QinQCapabilities>
    <GlobalServiceTPID></GlobalServiceTPID>
    <GlobalCustomerTPID></GlobalCustomerTPID>
    <QinQState></QinQState>
    <ServiceTPID></ServiceTPID>
    <CustomerTPID></CustomerTPID>
    <TransVlan></TransVlan>
  </QinQCapabilities>
</VLAN>

```

Table description

Item	Description
Feature name	VLAN
Table name	QinQCapabilities
Table type	Single-instance table
Row name	None
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
GlobalServiceTP	Whether service	N/A	Boolean:	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
ID	TPID for all interfaces can be configured.		<ul style="list-style-type: none"> true false 	
GlobalCustomerTPID	Whether customer TPID for all interfaces can be configured.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
QinQState	Whether QinQ state can be configured on ports.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
ServiceTPID	Whether service TPID can be configured on ports.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
CustomerTPID	Whether customer TPID can be configured on ports.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A
TransVlan	Whether transparent VLAN can be configured on ports.	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A

VLAN/VLANnetworkNto1mapping

This table contains network-side many-to-one VLAN mapping information.

XML structure

```

<VLAN>
  <VLANnetworkNto1mapping>
    <Interface>
      <IfIndex></IfIndex>
      <NNI></NNI>
    </Interface>
  </VLANnetworkNto1mapping>
</VLAN>

```

Table description

Item	Description
Feature name	VLAN
Table name	VLANnetworkNto1mapping
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 2 interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
NNI	Whether the network-side interface for many-to-one VLAN mapping is enabled on the port.	N/A	Boolean: <ul style="list-style-type: none">• true• false	N/A

VLAN/VLAN1to1mapping

This table contains one-to-one VLAN mapping information.

XML structure

```
<VLAN>
  <VLAN1to1mapping>
    <Interface>
      <IfIndex></IfIndex>
      <OriginalVlan></OriginalVlan>
      <TranslatedVlan></TranslatedVlan>
    </Interface>
  </VLAN1to1mapping>
</VLAN>
```

Table description

Item	Description
Feature name	VLAN
Table name	VLAN1to1mapping
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 2 interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
OriginalVlan	Original VLAN for one to one VLAN mapping.	Index	Unsigned integer. Value range: 1 to 4094.	N/A.
TranslatedVlan	Translated VLAN for one to one mapping.	N/A	Unsigned integer. Value range: 1 to 4094.	N/A

VLAN/VLANUserNto1mapping

This table contains user-side many-to-one VLAN mapping information.

XML structure

```
<VLAN>
  <VLANUserNto1mapping>
    <Interface>
      <IfIndex></IfIndex>
      <OriginalStartVlan></OriginalStartVlan>
      <OriginalEndVlan></OriginalEndVlan>
      <TranslatedVlan></TranslatedVlan>
    </Interface>
  </VLANUserNto1mapping>
</VLAN>
```

Table description

Item	Description
Feature name	VLAN
Table name	VLANUserNto1mapping
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 2 interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
OriginalStartVlan	Start VLAN of the original VLAN for many-to-one VLAN mapping.	Index	Unsigned integer. Value range: 1 to 4094.	N/A.
OriginalEndVlan	End VLAN of the original VLAN for many-to-one VLAN mapping.	Index	Unsigned integer. Value range: 1 to 4094.	N/A.
TranslatedVlan	Translated VLAN for many-to-one VLAN mapping.	N/A	Unsigned integer. Value range: 1 to 4094.	N/A.

VLAN/VLAN1to2mapping

This table contains one-to-two VLAN mapping information.

XML structure

```

<VLAN>
  <VLAN1to2mapping>
    <Interface>
      <IfIndex></IfIndex>
      <CustomerStartVlan></CustomerStartVlan>
      <CustomerEndVlan></CustomerEndVlan>
      <NestedVlan></NestedVlan>
    </Interface>
  </VLAN1to2mapping>
</VLAN>

```

Table description

Item	Description
Feature name	VLAN

Item	Description
Table name	VLAN1to2mapping
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 2 interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
CustomerStartVlan	Start VLAN of the customer VLAN for one-to-two vlan mapping.	Index	Unsigned integer. Value range: 1 to 4094.	N/A.
CustomerEndVlan	End VLAN of the customer VLAN for one-to-two VLAN mapping.	Index	Unsigned integer. Value range: 1 to 4094.	N/A
NestedVlan	Nest VLAN for one-to-two VLAN mapping .	N/A	Unsigned integer. Value range: 1 to 4094.	N/A.

VLAN/VLAN2to2mapping

This table contains two-to-two VLAN mapping information.

XML structure

```

<VLAN>
  <VLAN2to2mapping>
    <Interface>
      <IfIndex></IfIndex>
      <OuterVlan></OuterVlan>
      <InnerVlan></InnerVlan>
      <TranslatedOuterVlan></TranslatedOuterVlan>
      <TranslatedInnerVlan></TranslatedInnerVlan>
    </Interface>
  </VLAN2to2mapping>
</VLAN>

```

```

    </VLAN2to2mapping>
  </VLAN>

```

Table description

Item	Description
Feature name	VLAN
Table name	VLAN2to2mapping
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 2 interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
OuterVlan	Outer VLAN for two-to-two VLAN mapping.	Index	Unsigned integer. Value range: 1 to 4094.	N/A.
InnerVlan	Inner VLAN for two-to-two VLAN mapping.	Index	Unsigned integer. Value range: 1 to 4094.	N/A.
TranslatedOuterVlan	Translated outer VLAN for two-to-two VLAN mapping .	N/A	Unsigned integer. Value range: 1 to 4094.	N/A.
TranslatedInnerVlan	Translated inner VLAN for two-to-two VLAN mapping.	N/A	Unsigned integer. Value range: 1 to 4094.	N/A.

VLAN/VLAN0to2mapping

This table contains zero-to-two VLAN mapping information.

XML structure

```

<VLAN>
  <VLAN0to2mapping>

```

```

<Interface>
  <IfIndex></IfIndex>
  <ServiceOuterVlan></ServiceOuterVlan>
  <ServiceInnerVlan></ServiceInnerVlan>
</Interface>
</VLAN0to2mapping>
</VLAN>

```

Table description

Item	Description
Feature name	VLAN
Table name	VLAN0to2mapping
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 2 interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
ServiceOuterVlan	Outer service VLAN for zero-to-two VLAN mapping .	N/A	Unsigned integer. Value range: 1 to 4094.	N/A.
ServiceInnerVlan	Inner service VLAN for zero-to-two VLAN mapping.	N/A	Unsigned integer. Value range: 1 to 4094.	N/A.

VLAN/VLAN2to3mapping

This table contains two-to-three VLAN mapping information.

XML structure

```

<VLAN>

```

```

<VLAN2to3mapping>
  <Interface>
    <IfIndex></IfIndex>
    <OuterStartVlan></OuterStartVlan>
    <OuterEndVlan></OuterEndVlan>
    <InnerStartVlan></InnerStartVlan>
    <InnerEndVlan></InnerEndVlan>
    <NestedVlan></NestedVlan>
  </Interface>
</VLAN2to3mapping>
</VLAN>

```

Table description

Item	Description
Feature name	VLAN
Table name	VLAN2to3mapping
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 2 interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
OuterStartVlan	Start VLAN of the outer VLAN for two-to-three VLAN mapping.	Index	Unsigned integer. Value range: 1 to 4094.	N/A.
OuterEndVlan	End VLAN of the outer VLAN for two-to-three VLAN mapping.	Index	Unsigned integer. Value range: 1 to 4094.	N/A
InnerStartVlan	Start VLAN of the inner vlan for two-to-three VLAN mapping.	Index	Unsigned integer. Value range: 1 to 4094.	N/A.

Column name	Column description	Column type	Data type and restrictions	Remarks
InnerEndVlan	End VLAN of the inner VLAN for two-to-three VLAN mapping.	Index	Unsigned integer. Value range: 1 to 4094.	N/A.
NestedVlan	Nest VLAN for two-to-three VLAN mapping .	N/A	Unsigned integer. Value range: 1 to 4094.	N/A.

VLAN/VoiceInfo

This table contains voice VLAN basic information.

XML structure

```
<VLAN>
  <VoiceInfo>
    <AgingTime></AgingTime>
    <LLDPTrack></LLDPTrack>
    <Mode></Mode>
    <CurNum></CurNum>
  </VoiceInfo>
</VLAN>
```

Table description

Item	Description
Feature name	VLAN
Table name	VoiceInfo
Table type	Single-instance table
Row name	N/A
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AgingTime	Voice VLAN aging time.	N/A	Unsigned integer, in minutes. Value range: 5 to 43200 minutes.	By default, the aging time is 1440 minutes.
LLDPTrack	Whether LLDP is enabled for automatic IP phone	N/A	Boolean: <ul style="list-style-type: none"> true false 	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
	discovery.			
Mode	Voice VLAN security mode.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Security 2—Normal 	By default, the voice VLAN security mode is enabled.
CurNum	Number of existing voice VLANs.	N/A	Unsigned integer.	N/A

VLAN/VoiceOUI

This table contains voice VLAN OUI address information.

XML structure

```

<VLAN>
  <VoiceOUI>
    <OUI>
      <Address></Address>
      <Mask></Mask>
      <Description></Description>
    </OUI>
  </VoiceOUI>
</VLAN>

```

Table description

Item	Description
Feature name	VLAN
Table name	VoiceOUI
Table type	Multi-instance table
Row name	OUI
Restrictions	N/A

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Address	Source MAC address of voice traffic	Index	Six groups of two hexadecimal digits, hyphen-separated.	For example, 1234-1234-1234.
Mask	Valid length of the OUI address by a mask.	N/A	Six groups of two hexadecimal digits, hyphen-separated.	The mask contains consecutive 1s and 0s. For example, FFFF-0000-0000.

Column name	Column description	Column type	Data type and restrictions	Remarks
Description	OUI address description.	N/A	Case-sensitive string of 1 to 30 characters.	N/A

VLAN/VoicePorts

This table contains voice VLAN information for a port.

XML structure

```

<VLAN>
  <VoicePorts>
    <Interface>
      <IfIndex></IfIndex>
      <Vlan></Vlan>
      <Mode></Mode>
      <QoS>
        <Trust></Trust>
        <CoS></CoS>
        <DSCP></DSCP>
      </QoS>
    </Interface>
  </VoicePorts>
</VLAN>

```

Table description

Item	Description
Feature name	VLAN
Table name	VoicePorts
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 2 interfaces.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Only includes ports where voice VLAN can be configured. Some versions support interface name. For relevant

Column name	Column description	Column type	Data type and restrictions	Remarks
				information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
Vlan	Voice VLAN ID on the port.	N/A	Unsigned integer. Value range: 2 to 4094	Valid only on a hybrid or trunk port operating in automatic voice VLAN assignment mode.
Mode	Voice VLAN assignment mode on the port.	N/A	Enumeration: <ul style="list-style-type: none"> 1—Automatic. 2—Manual. 	By default, a port operates in automatic voice VLAN assignment mode.
QoS	QoS information of voice VLAN on the port.	N/A	Include: <ul style="list-style-type: none"> Trust. CoS. DSCP. 	N/A
Trust	Whether the QoS priority settings is trusted for incoming voice VLAN packets.	N/A	Boolean: <ul style="list-style-type: none"> true false 	When a port trusts the QoS priority settings in incoming voice VLAN packets, the port does not modify their CoS and DSCP values.
CoS	CoS value for incoming voice VLAN packets on the port.	N/A	Unsigned integer. Value range: 0 to 7	Valid only when the Trust label above is false. The value is 6 by default.
DSCP	The DSCP values for incoming voice VLAN packets on the port.	N/A	Unsigned integer. Value range: 0 to 63	Valid only when the Trust label above is false. The value is 46 by default.

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VXLAN

VXLAN/ClearVxlanTunnelStatistics

This table clears traffic statistics for all VXLAN tunnels of a VSI.

XML structure

```
<VXLAN>
  <ClearVxlanTunnelStatistics>
    <VxlanTunnelStatistics>
      <VsiName></VsiName>
      <Clear></Clear>
    </VxlanTunnelStatistics>
  </ClearVxlanTunnelStatistics>
</VXLAN>
```

Table description

Item	Description
Feature name	VXLAN
Table name	ClearVxlanTunnelStatistics
Table type	Multi-instance table
Row name	VxlanTunnelStatistics
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
VsiName	VSI name	Index	String. Length: 1 to 31 characters.
Clear	Clear traffic statistics for all VXLAN tunnels of the VSI	N/A	This column must be empty.

VXLAN/ClearAllVxlanTunnelStatistics

This table clears traffic statistics for all VXLAN tunnels.

XML structure

```
<VXLAN>
```

```

<ClearAllVxlanTunnelStatistics>
  <Clear></Clear>
</ClearAllVxlanTunnelStatistics>
</VXLAN>

```

Table description

Item	Description
Feature name	VXLAN
Table name	ClearAllVxlanTunnelStatistics
Table type	Single-instance table
Row name	N/A
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Clear	Clear traffic statistics for all VXLAN tunnels	N/A	This column must be empty.

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VXLAN

VXLAN/Base

This table contains information about global VXLAN functions.

XML structure

```
<VXLAN>
  <Base>
    <RmtMacLearn></RmtMacLearn>
    <RmtArpLearn></RmtArpLearn>
    <RmtNdLearn></RmtNdLearn>
    <LocMacNtf></LocMacNtf>
    <NextVxlanID></NextVxlanID>
    <TotalVxlanNum></TotalVxlanNum>
    <ReservedVxlanID></ReservedVxlanID>
    <SupportRelayAgent></SupportRelayAgent>
  </Base>
</VXLAN>
```

Table description

Item	Description
Feature name	VXLAN
Table name	Base
Table type	Single-instance table
Row name	N/A
Restrictions	This table supports only global functions.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
RmtMacLearn	Remote MAC address learning function	N/A	Boolean: <ul style="list-style-type: none">true—Enabled.false—Disabled.	N/A
RmtArpLearn	Remote ARP learning function	N/A	Boolean: <ul style="list-style-type: none">true—Enabled.false—Disabled.	N/A
RmtNdLearn	Remote ND learning function	N/A	Boolean: <ul style="list-style-type: none">true—Enabled.false—Disabled.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
LocMacNtf	Local MAC address report function	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
NextVxlanID	Next useful VXLAN ID	N/A	Unsigned integer, Value range: 0-16777215.	You must enable global L2VPN feature at first. The invalid value 4294967295 indicates that no ID can be set.
TotalVxlanNum	Total number of existing VXLANs	N/A	Unsigned integer	You must enable global L2VPN feature at first.
ReservedVxlanID	Reserved VXLAN ID	N/A	Unsigned integer, Value range: 0-16777215.	You must enable L2VPN feature globally at first.
SupportRelayAgent	Relay agent supporting function	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disabled. 1—PPPoE. 2—IPoE. 3—The combination of the two type above. 	N/A

VXLAN/VXLANs

This table contains information about VXLAN configurations.

XML structure

```

<VXLAN>
  <VXLANs>
    <Vxlan>
      <VxlanID></VxlanID>
      <VsiName></VsiName>
      <Ipv4Group>
        <GroupAddr></GroupAddr>
        <SrcAddr></SrcAddr>
      </Ipv4Group>
      <RmtMacCnt></RmtMacCnt>
      <TunnelAll></TunnelAll>
    </Vxlan>
  </VXLANs>
</VXLAN>

```

Table description

Item	Description
Feature name	VXLAN
Table name	VXLANs
Table type	Multi-instance table
Row name	Vxlan
Restrictions	You must enable L2VPN globally first.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VxlanID	VXLAN ID	Index	Unsigned integer, Value range: 0-16777215.	N/A
VsiName	VSI name	N/A	String, Length: 1 to 31 characters.	N/A
Ipv4Group	VXLAN multicast group structure	Data structure	Members include: <ul style="list-style-type: none">GroupAddr.SrcAddr.	N/A
GroupAddr	IPv4 multicast address	N/A	String, dotted decimal notation.	Example: 224.1.1.1.
SrcAddr	IPv4 source address	N/A	String, dotted decimal notation.	Example: 1.1.1.1.
RmtMacCnt	The count of remote MAC addresses	N/A	Unsigned integer	N/A
TunnelAll	All tunnels	N/A	Boolean: <ul style="list-style-type: none">true—Enabled.false—Disabled.	N/A

VXLAN/Tunnels

This table contains information about tunnels associated with VXLANs.

XML structure

```
<VXLAN>
  <Tunnels>
    <Tunnel>
      <VxlanID></VxlanID>
      <TunnelID></TunnelID>
      <Type></Type>
      <FloodingProxy></FloodingProxy>
```



```

    <State></State>
    <RelayAgent></RelayAgent>
    <InPkts></InPkts>
    <InOctets></InOctets>
    <OutPkts></OutPkts>
    <OutOctets></OutOctets>
    <SystemTime></SystemTime>
  </Tunnel>
</Tunnels>
</VXLAN>

```

Table description

Item	Description
Feature name	VXLAN
Table name	Tunnels
Table type	Multi-instance table
Row name	Tunnel
Restrictions	You must enabled global L2VPN feature at first.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VxlanID	VXLAN ID	Index	Unsigned integer, Value range:0-16777215.	N/A
TunnelID	Tunnel ID	Index	Unsigned integer.	N/A
Type	Tunnel type	N/A	Enumeration: <ul style="list-style-type: none"> 0—auto. 1—manual. 2—auto and manual. 	N/A
FloodingProxy	Flooding proxy	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
State	Tunnel state	N/A	Enumeration: <ul style="list-style-type: none"> 1—down. 2—up. 3—defect. 4—blocked. 	1-down: The tunnel is not available. 2-up: The tunnel is available. 3-defect: BFD has detected a defect on the tunnel. 4-blocked: The tunnel is a backup tunnel.
RelayAgent	Relay agent	N/A	Enumeration: <ul style="list-style-type: none"> 0—Disabled. 	N/A

			<ul style="list-style-type: none"> 1—PPPoE. 2—IPoE. 3—The combination of the two type above. 	
InPkts	Number of incoming packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
InOctets	Number of incoming bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
OutPkts	Number of outgoing packets	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
OutOctets	Number of outgoing bytes	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$.	N/A
SystemTime	Time that has elapsed since the device started up when the tunnel statistics are updated	N/A	Unsigned integer. Value range: 0 to $2^{64} - 1$, in milliseconds.	If the tunnel statistics feature is disabled, the value for this column is 0.

VXLAN/RmtMACs

This table contains information about remote MAC addresses of each VXLAN.

XML structure

```

<VXLAN>
  <RmtMACs>
    <MAC>
      <VsiName></VsiName>
      <MacAddr></MacAddr>
      <TunnelID></TunnelID>
      <Status></Status>
    </MAC>
  </RmtMACs>
</VXLAN>

```

Table description

Item	Description
Feature name	VXLAN
Table name	RmtMACs
Table type	Multi-instance table
Row name	MAC

Item	Description
Restrictions	You must enable global L2VPN feature at first.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VsiName	VSI name	Index	String, Length: 1 to 31 characters.	N/A
MacAddr	Remote MAC address	Index	Six groups of two hexadecimal digits, hyphen-separated.	Example: 00-0c-af-e3-5d-c0.
TunnelID	Tunnel ID	N/A	Unsigned integer	N/A
Status	Type of remote MAC address	N/A	Enumeration: <ul style="list-style-type: none"> • 0—other. • 1—static. • 2—selfLearned. • 3—protocolLearned. • 4—OpenFlow. • 5—OVSDB. 	1- static: Manually configured static unicast address 2- selfLearned: Dynamically learned unicast address 3- protocolLearned: Unicast address added by protocol. 4- OpenFlow: Unicast address issued by a controller through OpenFlow 5- OVSDB: Unicast address issued by a controller through OVSDB.

VXLAN/VXLANAllocations

This table contains VXLAN allocate information in context.

XML structure

```

<VXLAN>
  <VXLANAllocations>
    <VXLANAllocation>
      <VXLANID></VXLANID>
      <ContextID></ContextID>
    </VXLANAllocation>
  </VXLANAllocations>
</VXLAN>

```

Table description

Item	Description
Feature name	VXLAN
Table name	VXLANAllocations
Table type	Multi-instance table
Row name	VXLANAllocation
Restrictions	You must enable global L2VPN feature at first.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VXLANID	VXLAN ID	Index	Unsigned integer.	N/A
ContextID	Context ID	N/A	Unsigned integer.	N/A

VXLAN/EvpnVxlanEncaps

This table contains information about EVPN encapsulation associated with VXLANs.

XML structure

```
<VXLAN>
  <EvpnVxlanEncaps>
    <VxlanEncap>
      <VsiName></VsiName>
      <bRDAuto></bRDAuto>
      <RD></RD>
      <bIrtAuto></bIrtAuto>
      <bErtAuto></bErtAuto>
      <bMacAdvertise></bMacAdvertise>
      <bArpMacLearn></bArpMacLearn>
      <NdMacLearn></NdMacLearn>
      <MappingVni></MappingVni>
      <ArpAdvertise></ArpAdvertise>
    </VxlanEncap>
  </EvpnVxlanEncaps>
</VXLAN>
```

Table description

Item	Description
Feature name	VXLAN

Item	Description
Table name	EvpnVxlanEncaps
Table type	Multi-instance table
Row name	VxlanEncap
Restrictions	You must enabled global L2VPN feature at first.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VsiName	VSI name	Index	String. Length: 1 to 31 characters.	N/A
bRDAuto	RD Auto	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
RD	Route distinguisher.	Data structure	String. Length: 3 to 21 characters. The format is ASN:nn or IP_address:nn	N/A
blrtAuto	Import route target	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
bErtAuto	Export route target	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
bMacAdvertise	MAC advertise	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
bArpMacLearn	ARP MAC learning	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
NdMacLearn	ND MAC learning	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A
MappingVni	Mapping VXLAN ID	N/A	Unsigned integer, Value range: 0-16777215.	N/A
ArpAdvertise	ARP advertisement	N/A	Boolean: <ul style="list-style-type: none"> true—Enabled. false—Disabled. 	N/A

VXLAN/EvpnVxlanRTs

This table contains information about EVPN route target associated with VXLANs.

XML structure

```
<VXLAN>
  <EvpnVxlanRTs>
    <VxlanRT>
      <VsiName></VsiName>
      <RTType></RTType>
      <RTEntry></RTEntry>
    </VxlanRT>
  </EvpnVxlanRTs>
</VXLAN>
```

Table description

Item	Description
Feature name	VXLAN
Table name	EvpnVxlanRTs
Table type	Multi-instance table
Row name	VxlanRT
Restrictions	You must enabled global L2VPN feature at first.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VsiName	VSI name	Index	String. Length: 1 to 31 characters.	N/A
RTType	Route target type	Index	Enumeration: <ul style="list-style-type: none">1—Import2—Export	N/A
RTEntry	VPN target	Index	String. Length: 3 to 21 characters. The format is ASN:nn or IP_address:nn	N/A

VXLAN/VRFs

This table contains VNIs associated with VPN instances.

XML structure

```
<VXLAN>
  <VRFs>
    <VRF>
```

```

    <VRF></VRF>
    <VNI></VNI>
  </VRF>
</VRFs>
</VXLAN>

```

Table description

Item	Description
Feature name	VXLAN
Table name	VRFs
Table type	Multi-instance table
Row name	VRF
Restrictions	You must enable L2VPN globally first.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
VRF	VPN instance name	Index	String, case-sensitive. Length: 0 to 31 characters.	This column must be empty.
VNI	Layer 3VNI for the tenant	N/A	Unsigned integer. Length: 32 bits.	N/A

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WebAuth

WebAuth/WebServers

This table contains information about web-auth server.

XML structure

```
<WebAuth>
  <WebServers>
    <WebServer>
      <ServerName></ServerName>
      <IPAddress></IPAddress>
      <Port></Port>
      <Url></Url>
    </WebServer>
  </WebServers>
</WebAuth>
```

Table description

Item	Description
Feature name	WebAuth
Table name	WebServers
Table type	Multi-instance table
Row name	WebServer
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ServerName	Name of the web-auth server	Index	String. <ul style="list-style-type: none">Length: 1 to 32 characters.	N/A
IPAddress	IPv4 address of the web-auth server	N/A	String, dotted decimal notation. Default is not configured.	The column supports IPv4-only format.
Port	URL of the web-auth server	N/A	Unsigned integer. <ul style="list-style-type: none">Value range:	The column must be defined when the IPAddress exists.

Column name	Column description	Column type	Data type and restrictions	Remarks
			1-65535. Default is not configured.	
Url	Name of the web-auth server	N/A	String. <ul style="list-style-type: none"> Length: 1 to 256 characters. Default is not configured.	N/A

WebAuth/UrlParams

This table contains information about Url parameters.

XML structure

```

<WebAuth>
  <UrlParams>
    <UrlParam>
      <ServerName></ServerName>
      <ParamName></ParamName>
      <ParamType></ParamType>
      <SelfDefValue></SelfDefValue>
    </UrlParam>
  </UrlParams>
</WebAuth>

```

Table description

Item	Description
Feature name	WebAuth
Table name	UrlParams
Table type	Multi-instance table
Row name	UrlParam
Restrictions	Row creation is allowed only when the web-server exists.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ServerName	Name of the web-auth server	Index	String. case-insensitive. <ul style="list-style-type: none"> Length: 1 to 32 characters. 	N/A
ParamName	Parameter name of the URL	Index	String. <ul style="list-style-type: none"> Length: 1 to 32 characters. 	The column configures the parameter name carried in the redirect URL.
ParamType	Parameter type	N/A	Enumeration: <ul style="list-style-type: none"> 0—source-address 1—source-mac 2—original-url 3—selfdefine 	The column must be defined.
SelfDefValue	Self-defined parameter	N/A	String. Length: 1 to 256 Characters. Default is not configured.	The column takes effect when ParamType is selfdefine.

WebAuth/Interfaces

This table contains interface configuration of web-auth.

XML structure

```

<WebAuth>
  <Interfaces>
    <Interface>
      <IfIndex></IfIndex>
      <AuthEnable></AuthEnable>
      <ApplyServer></ApplyServer>
      <ApplyDomain></ApplyDomain>
      <MaxUser></MaxUser>
      <AuthFailVlan></AuthFailVlan>
      <OfflineDetectInterval></OfflineDetectInterval>
    </Interface>
  </Interfaces>
</WebAuth>

```

Table description

Item	Description
Feature name	WebAuth
Table name	Interfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	This table supports only Layer 2 interfaces.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IfIndex	Interface index	Index	Unsigned integer.	Some versions support interface names. For more information, see the XSD document of your product. For information about IfIndex, see "Appendix" in <i>Ifmgr NETCONF XML API Configuration Reference</i> .
AuthEnable	Enable the Web-Auth function	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No(Default). 	Can not enable with port security funtion at same time.
ApplyServer	Apply authentication server	N/A	String. case-insensitive. <ul style="list-style-type: none"> Length: 1 to 32 characters. Default is not configured.	N/A
ApplyDomain	Apply IPv4 authentication domain	N/A	String, <ul style="list-style-type: none"> Length: 1 to 24. Default is not configured.	N/A
MaxUser	Maximum number of users on the interface	N/A	Unsigned integer.	The value range depends on the device model.
AuthFailVlan	VLAN for users failed in authentication	N/A	Unsigned integer. <ul style="list-style-type: none"> Value range: 1 to 4094. Default Value is not configured.	N/A
OfflineDetectInterval	Detecting offline user timer	N/A	Unsigned integer <ul style="list-style-type: none"> Value range: 60 to 65535 seconds. Default is not configured.	N/A

WebAuth/FreeIPs

This table contains free ip configuration of web-auth.

XML structure

```
<WebAuth>
  <FreeIPs>
    <FreeIP>
      <IPv4Address></IPv4Address>
      <IPv4Mask></IPv4Mask>
    </FreeIP>
  </FreeIPs>
</WebAuth>
```

Table description

Item	Description
Feature name	WebAuth
Table name	FreeIPs
Table type	Multi-instance table
Row name	FreeIP
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IPv4Address	IP address used in EAD assistance feature	Index	String, dotted decimal notation.	The column supports IPv4-only format.
IPv4Mask	IP address mask	Index	Ipv4Mask.	N/A

WebAuth/ProxyPorts

This table contains proxy port configuration of web-auth.

XML structure

```
<WebAuth>
  <ProxyPorts>
    <ProxyPort>
      <PortNumber></PortNumber>
    </ProxyPort>
  </ProxyPorts>
</WebAuth>
```

```

        </ProxyPort>
    </ProxyPorts>
</WebAuth>

```

Table description

Item	Description
Feature name	WebAuth
Table name	ProxyPorts
Table type	Multi-instance table
Row name	ProxyPort
Restrictions	No.
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
PortNumber	Port number of TCP	Index	Unsigned integer. <ul style="list-style-type: none"> Value range: 1-65535. Default is not configured.

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WebAuth

WebAuth/WebServers

This table contains information about web-auth server.

XML structure

```
<WebAuth>
  <WebServers>
    <WebServer>
      <ServerName></ServerName>
      <IPAddress></IPAddress>
      <Port></Port>
      <Url></Url>
    </WebServer>
  </WebServers>
</WebAuth>
```

Table description

Item	Description
Feature name	WebAuth
Table name	WebServers
Table type	Multi-instance table
Row name	WebServer
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ServerName	Name of the web-auth server	Index	String. <ul style="list-style-type: none">Length: 1 to 32 characters.	N/A
IPAddress	IPv4 address of the web-auth server	N/A	String, dotted decimal notation. Default is not configured.	The column supports IPv4-only format.
Port	Port number of the web-auth server	N/A	Unsigned integer. <ul style="list-style-type: none">Value range: 1-65535. Default is not configured.	The column must be defined when the IPAddress exists.

Column name	Column description	Column type	Data type and restrictions	Remarks
Url	URL of the web-auth server	N/A	String. <ul style="list-style-type: none"> Length: 1 to 256 characters. Default is not configured.	N/A

WebAuth/UrlParams

This table contains information about Url parameters.

XML structure

```

<WebAuth>
  <UrlParams>
    <UrlParam>
      <ServerName></ServerName>
      <ParamName></ParamName>
      <ParamType></ParamType>
      <SelfDefValue></SelfDefValue>
    </UrlParam>
  </UrlParams>
</WebAuth>

```

Table description

Item	Description
Feature name	WebAuth
Table name	UrlParams
Table type	Multi-instance table
Row name	UrlParam
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ServerName	Name of the web-auth server	Index	String, case-insensitive. <ul style="list-style-type: none"> Length: 1 to 32 characters. 	N/A
ParamName	Parameter name of the URL	Index	String. <ul style="list-style-type: none"> Length: 1 to 32 characters. 	The column configures the parameter name carried in the redirect URL.

Column name	Column description	Column type	Data type and restrictions	Remarks
ParamType	Parameter type	N/A	Enumeration: <ul style="list-style-type: none"> 0—source-address 1—source-mac 2—original-url 3—selfdefine 	The column must be defined.
SelfDefValue	Self-defined parameter	N/A	String. Length: 1 to 256 Characters. Default is not configured.	The column takes effect when ParamType is selfdefine.

WebAuth/Interfaces

This table contains interface information of web-auth.

XML structure

```

<WebAuth>
  <Interfaces>
    <Interface>
      <IfIndex></IfIndex>
      <AuthEnable></AuthEnable>
      <ApplyServer></ApplyServer>
      <ApplyDomain></ApplyDomain>
      <MaxUser></MaxUser>
      <AuthFailVlan></AuthFailVlan>
      <OfflineDetectInterval></OfflineDetectInterval>
      <OnlineUserNum></OnlineUserNum>
    </Interface>
  </Interfaces>
</WebAuth>

```

Table description

Item	Description
Feature name	WebAuth
Table name	Interfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	No.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Ifindex	Interface index	Index	Unsigned integer.	Some versions supports interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
AuthEnable	Enable the Web-Auth function	N/A	Boolean: <ul style="list-style-type: none"> true—Yes. false—No 	Can not enable with port security funtion at same time.
ApplyServer	Apply authentication server	N/A	String. case-insensitive. <ul style="list-style-type: none"> Length: 1 to 32 characters. 	N/A
ApplyDomain	Apply IPv4 authentication domain	N/A	String, case-insensitive. <ul style="list-style-type: none"> Length: 1 to 24. 	N/A
MaxUser	Maximum number of users on the interface	N/A	Unsigned integer.	N/A
AuthFailVlan	VLAN for users failed in authentication	N/A	Unsigned integer. <ul style="list-style-type: none"> Value range: 1 to 4094.. 	N/A
OfflineDetectInterval	Detecting offline user timer	N/A	Unsigned integer <ul style="list-style-type: none"> Value range: 60 to 65535 seconds. 	N/A
OnlineUserNum	Current online user number	N/A	Unsigned integer.	N/A

WebAuth/FreeIPs

This table contains free ip information of web-auth.

XML structure

```

<WebAuth>
  <FreeIPs>
    <FreeIP>
      <IPv4Address></IPv4Address>
      <IPv4Mask></IPv4Mask>
    </FreeIP>
  </FreeIPs>

```

</WebAuth>

Table description

Item	Description
Feature name	WebAuth
Table name	FreeIPs
Table type	Multi-instance table
Row name	FreeIP
Restrictions	No.

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
IPv4Address	IP address used in EAD assistance feature	Index	String, dotted decimal notation.	The column supports IPv4-only format.
IPv4Mask	IP address mask	Index	Ipv4Mask.	N/A

WebAuth/ProxyPorts

This table contains proxy port information of web-auth.

XML structure

```
<WebAuth>
  <ProxyPorts>
    <ProxyPort>
      <PortNumber></PortNumber>
    </ProxyPort>
  </ProxyPorts>
</WebAuth>
```

Table description

Item	Description
Feature name	WebAuth
Table name	ProxyPorts
Table type	Multi-instance table
Row name	ProxyPort
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
PortNumber	Port number of TCP	Index	Unsigned integer. <ul style="list-style-type: none">Value range: 1-65535.

WebAuth/OnlineUsers

This table contains online user information of web-auth.

XML structure

```
<WebAuth>
  <OnlineUsers>
    <OnlineUser>
      <UserMac></UserMac>
      <AccessInterface></AccessInterface>
      <UserName></UserName>
      <InitVlan></InitVlan>
      <AuthVlan></AuthVlan>
      <AuthAcl></AuthAcl>
      <AuthUserProfile></AuthUserProfile>
    </OnlineUser>
  </OnlineUsers>
</WebAuth>
```

Table description

Item	Description
Feature name	WebAuth
Table name	OnlineUsers
Table type	Multi-instance table
Row name	OnlineUser
Restrictions	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
AccessInterface	The access interface of user	Index	Unsigned integer.	Some versions supports interface name. For relevant information, see the XSD document of your product. For information about IfIndex, see "Appendix" in Ifmgr NETCONF XML API Configuration Reference.
UserMac	Mac of the online user	Index	MAC address in the HH-HH-HH-HH-HH-HH format	N/A
UserName	User name	N/A	String.	N/A
InitVlan	Init Vlan of user	N/A	Unsigned integer.	N/A
AuthVlan	Authorization Vlan	N/A	Unsigned integer.	N/A
AuthAcl	Authorization ACL	N/A	Unsigned integer.	N/A
AuthUserProfile	Authorization user profile	N/A	String.	N/A

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WLANClient

WLANClient/ServiceTemplates

This table contains service template information.

XML structure

```
<WLANClient>
  <ServiceTemplates>
    <Template>
      <Name></Name>
      <SSID></SSID>
      <DefaultVlan></DefaultVlan>
      <HideSsid></HideSsid>
      <MaxClientCnt></MaxClientCnt>
      <Enable></Enable>
    </Template>
  </ServiceTemplates>
</WLANClient>
```

Table description

Item	Description
Feature name	WLANClient
Table name	ServiceTemplates
Table type	Multi-instance table
Row name	ServiceTemplate
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
Name	Service template name	Index	String, letter, number or '-', '[,]', '/', '-'. The length is 1 to 63.
SSID	Identifier of service set.		String, the length is 1 to 32.
DefaultVlan	DefaultVlan.		Unsigned integer. Value range: 1 to 4094.

Column name	Column description	Column type	Data type and restrictions
			The default value is 1.
HideSsid	Hiding status of SSID		Boolean: <ul style="list-style-type: none"> true—enabled. false—disabled, default value.
MaxClientCnt	Maximum clients of the BSS.		Unsigned integer. Value range: 1 to 2007. The default value is 0.
Enable	Status of service template.		Boolean: True or 1 : enabled. False or 0 : disabled. The default value is false.

WLANClient/ServiceBindings

This table contains service template binding information.

XML structure

```

<WLANClient>
  <ServiceBindings>
    <Binding>
      <ApName></ApName>
      <RadioId></RadioId>
      <ServiceTemplateName></ServiceTemplateName>
      <Vlan></Vlan>
      <VlanGroup></VlanGroup>
    </Binding>
  </ServiceBindings>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	ServiceBindings
Table type	Multi-instance table
Row name	Binding
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
ApName	AP name	Index	String, lowercase. Length: 1 to 63 characters.
Radiold	Radio identifier.	Index	Unsigned char. Value range: 1 to 4
ServiceTemplateName	Service template name.	Index	String, letter, number or '-', '[', ']', '/', '\'. The length is 1 to 63.
Vlan	VLAN.		Unsigned integer. Value range: 1 to 4094. .
VlanGroup	VlanGroup		String. Length: 1 to 31 characters.

WLANClient/ServiceSecurity

This table contains security information of service template.

XML structure

```

<WLANClient>
  <ServiceSecurity>
    <Security>
      <Name></Name>
      <WpaIeSelected></WpaIeSelected>
      <RsnIeSelected></RsnIeSelected>
      <TkipSelected></TkipSelected>
      <CcmpSelected></CcmpSelected>
      <Wep40Selected></Wep40Selected>
      <Wep104Selected></Wep104Selected>
      <Wep128Selected></Wep128Selected>
      <AkmMode></AkmMode>
      <PskInputMode></PskInputMode>
      <PskPassPhraseKey></PskPassPhraseKey>
      <PskRawKey></PskRawKey>
      <PtkLifeTime></PtkLifeTime>
      <GtkUpdateEnable></GtkUpdateEnable>
      <GtkUpdateMode></GtkUpdateMode>
      <GtkUpdateTime></GtkUpdateTime>
      <GtkPacketNumber></GtkPacketNumber>
      <ClientOffUpdateGtk></ClientOffUpdateGtk>
      <TkipCmTime></TkipCmTime>
    
```

```

    </Security>
  </ServiceSecurity>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	ServiceSecurity
Table type	Multi-instance table
Row name	Security
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Service template name	Index	String, letter, number or '-', '[,]', '/', '\'. The length is 1 to 63.	N/A
WpaSelected	Is Security IE WPA selecte.		Boolean. True or 1 : selected. False or 0 : no selected. The default value is false.	N/A
RsnSelected	Is Security IE RSN selecte.		Boolean. True or 1 : selected. False or 0 : no selected. The default value is false.	N/A
TkipSelected	Tkip is selected cipher		Boolean. True or 1 : selected. False or 0 : no selected. The default value is false.	N/A
CcmpSelected	Ccmp is selected cipher		Boolean. True or 1 : selected. False or 0 : no selected. The default value is false.	N/A
Wep40Selected	Wep40 is selected cipher		Boolean. True or 1 : selected. False or 0 : no selected.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			The default value is false.	
Wep104Selected	Wep104 is selected cipher		Boolean. True or 1 : selected. False or 0 : no selected. The default value is false.	N/A
Wep128Selected	Wep128 is selected cipher		Boolean. True or 1 : selected. False or 0 : no selected. The default value is false.	N/A
AkmMode	AKM mode.		Enumeration. 1: 802.1x. 2: PSK.	N/A
PskInputMode	PSK input mode.		Enumeration. 1: pass-phrase. 2: rawkey.	N/A
PskPassPhraseKey	Pre-shared key.		String.	PSK is a string including 8-63 alphanumeric characters.
PskRawKey	Raw key		String	PSK is a string including 64 hex characters.
PtkLifeTime	PTK life time.		Unsigned integer. Unit is second. Value range: 180-604800. The default value is 43200.	N/A
GtkUpdateEnabled	Whether GTK update is enabled.		Boolean. True or 1 : update. False or 0 : no update. The default value is true.	N/A
GtkUpdateMode	GTK update mode.		Enumeration. 1 : based on time. 2 : based on packet number. The default value is 1.	N/A
GtkUpdateTime	GTK update time interval.		Unsigned integer. Unit is second. Value range is 180 to 604800. The default value is 86400.	N/A
GtkPacketNumber	GTK update packet number threshold.		Unsigned integer. Value range is 5000 to 4294967295. The default value is 10000000.	N/A
ClientOffUp	Whether to		Boolean.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
dateGtk	update GTK when client goes offline.		True or 1: update. False or 0 : no update. The default value is false.	
TkipCmTime	Interval time of TKIP counter measures.		Unsigned integer. Value range is 0 to 3600. Unit is second. The default value is 0 which means no counter measures.	N/A

WLANClient/ServiceWepKey

This table contains security wep key information of service template.

XML structure

```

<WLANClient>
  <ServiceWepKey>
    <WepKey>
      <ServiceName></ServiceName>
      <WepKeyId></WepKeyId>
      <CipherSuite></CipherSuite>
      <KeyInputType></KeyInputType>
      <Wep40PassPhraseKey></Wep40PassPhraseKey>
      <Wep40RawKey></Wep40RawKey>
      <Wep104PassPhraseKey></Wep104PassPhraseKey>
      <Wep104RawKey></Wep104RawKey>
      <Wep128PassPhraseKey></Wep128PassPhraseKey>
      <Wep128RawKey></Wep128RawKey>
      <IsSelected></IsSelected>
    </WepKey>
  </ServiceWepKey>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	ServiceWepKey
Table type	Multi-instance table
Row name	WepKey
Restrictions	None

Support for row creation and deletion	No
---------------------------------------	----

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ServiceName	Service template name	Index	String, letter, number or '-', '[', ']', '/', ' '. The length is 1 to 63.	N/A
WepKeyId	WEP key ID	Index	Enumeration. Value range: 1 to 4.	N/A
CipherSuite	WEP cipher suite.		Enumeration. 1 : wep40. 5 : wep104. 7 : wep128.	N/A
KeyInputType	Key Type		Enumeration. 1 : PassPhrase. 2 : RawKey	N/A
Wep40PassPhraseKey	Wep40 key in pass-phrase		String.	The key is 5 alphanumeric characters.
Wep40RawKey	Wep40 key in raw		String.	The key is 10 hex characters.
Wep104PassPhraseKey	Wep104 key in pass-phrase		String.	The key is 13 alphanumeric characters.
Wep104RawKey	Wep104 key in raw		String.	The key is 26 hex characters.
Wep128PassPhraseKey	Wep128 key in pass-phrase		String.	The key is 16 alphanumeric characters.
Wep128RawKey	Wep128 key in raw		String.	The key is 32 hex characters.
IsSelected	Is this wep key Selected.		Boolean. True or 1 : selected. False or 0 : no selected. The default value is false.	N/A

WLANClient/RadioWmm

This table contains radio WMM information.

XML structure

```
<WLANClient>
  <RadioWmm>
    <Wmm>
      <ApName></ApName>
      <RadioId></RadioId>
      <Enable></Enable>
      <SvpMapAc></SvpMapAc>
      <CacPolicy></CacPolicy>
      <CacUserNum></CacUserNum>
      <CacChannelUtilization></CacChannelUtilization>
    </Wmm>
  </RadioWmm>
</WLANClient>
```

Table description

Item	Description
Feature name	WLANClient
Table name	RadioWmm
Table type	Multi-instance table
Row name	Wmm
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
ApName	AP name	Index	String, lowercase. Length: 1 to 63 characters.
RadioId	Radio identifier.	Index	Unsigned char. Value range: 1 to 4
Enable	WMM status of radio		Boolean. True or 1 : enabled False or 0 : disabled The default value is true.
SvpMapAc	Access category of SVP		Enumeration 2 : vi 3 : vo

Column name	Column description	Column type	Data type and restrictions
CacPolicy	CAC policy		Enumeration. 1 : channel utilization. 2 : based on client number. The default value is 2.
CacUserNum	CAC client number threshold		Unsigned integer. Value range is 0 to 124. The default value is 20.
CacChannelUtilization	CAC channel utilization threshold.		Unsigned integer. Unit is percent. Value range is 0 to 100. The default value is 65.

WLANClient/ClientEdca

This table contains client EDCA information.

XML structure

```

<WLANClient>
  <ClientEdca>
    <Edca>
      <ApName></ApName>
      <RadioId></RadioId>
      <AccessCategory></AccessCategory>
      <Aifsn></Aifsn>
      <TxOpLimit></TxOpLimit>
      <Ecwmin></Ecwmin>
      <Ecwmax></Ecwmax>
      <CacEnable></CacEnable>
    </Edca>
  </ClientEdca>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	ClientEdca
Table type	Multi-instance table
Row name	Edca
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name	Index	String, lowercase. Length: 1 to 63 characters.	N/A
Radioid	Radio identifier.	Index	Unsigned char. Value range is 1 to 4	N/A
AccessCategory	Access category.	Index	Enumeration. 0 : be. 1 : bk. 2 : vi 3 : vo	N/A
Aifsn	Arbitration Inter Frame Spacing Number		Unsigned integer. Value range is 2 to 15, and is restricted by chipset.	N/A
TxOpLimit	Transmission opportunity limit		Unsigned number. Value range is 0 to 65535. Unit is millisecond.	N/A
Ecwmin	Exponent form of CWmin		Unsigned integer. Value range is 1 to 15.	N/A
Ecwmax	Exponent form of CWmax		Unsigned integer. Value range is 1 to 15.	N/A
CacEnable	Whether CAC is enabled.		Boolean. True or 1 : enabled. False or 0 : disabled. The default value is false.	When ac is vi or vo, Cac can be configured.

WLANClient/MobilityRole

This table contains mobility role information.

XML structure

```

<WLANClient>
  <MobilityRole>
    <Role></Role>
    <MAIPv4Address></MAIPv4Address>
    <MAIPv6Address></MAIPv6Address>
  </MobilityRole>
</WLANClient>

```

```

    </MobilityRole>
  </WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	MobilityRole
Table type	single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
Role	Mobility role of the device.		Enumeration. 0 : not configured, default value. 1 : ma 2 : mc
MAIPv4Address	IPv4 address of mobility agent.		Ipv4Address
MAIPv6Address	IPv6 address of mobility agent.		Ipv6Address 若Ipv4和Ipv6同时存在下, 则Ipv6有效

WLANClient/MobilityGroups

This table contains mobility group information.

XML structure

```

<WLANClient>
  <MobilityGroups>
    <MobilityGroup>
      <Name></Name>
      <TunnelType></TunnelType>
      <SourceIpv4Address></SourceIpv4Address>
      <SourceIpv6Address></SourceIpv6Address>
    </MobilityGroup>
  </MobilityGroups>
</WLANClient>

```

```

    <Enable></Enable>
  </MobilityGroup>
</MobilityGroups>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	MobilityGroups
Table type	Multi-instance table
Row name	MobilityGroup
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
Name	Mobility group name	Index	String. Length is 1 to 15 characters. Case sensitive.
TunnelType	Tunnel IP address type.		Enumeration. 2 : IPv4 10 : IPv6
SourceIpv4 Address	Source IPv4 address		Ipv4Address
SourceIpv6 Address	Source IPv6 address		Ipv6Address
Enable	Status of mobility group.		Boolean. True or 1 : enabled. False or 0 : disabled. The default value is false.

WLANClient/MobilityIPv4Members

This table contains mobility group IPv4 member information.

XML structure

```

<WLANClient>
  <MobilityIPv4Members>

```

```

    <Member>
      <GroupName></GroupName>
      <MemberIpv4Address></MemberIpv4Address>
    </Member>
  </MobilityIPv4Members>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	MobilityIPv4Members
Table type	Multi-instance table
Row name	Member
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
GroupName	Mobility group name	Index	String. Length is 1 to 15 characters. Case sensitive.
MemberIpv4 Address	IPv4 address of member.	Index	Ipv4Address.

WLANClient/MobilityIPv6Members

This table contains mobility group IPv6 member information.

XML structure

```

<WLANClient>
  <MobilityIPv6Members>
    <Member>
      <GroupName></GroupName>
      <MemberIpv6Address></MemberIpv6Address>
    </Member>
  </MobilityIPv6Members>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	MobilityIPv6Members
Table type	Multi-instance table
Row name	Member
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
GroupName	Mobility group name	Index	String. Length is 1 to 15 characters. Case sensitive.
MemberIpv6 Address	IPv6 address of member.	Index	Ipv6Address.

WLANClient/MobilityPeerGroups

This table contains mobility peer group information.

XML structure

```
<WLANClient>
  <MobilityPeerGroups>
    <MobilityPeerGroup>
      <Name></Name>
      <TunnelType></TunnelType>
      <Enable></Enable>
    </MobilityPeerGroup>
  </MobilityPeerGroups>
</WLANClient>
```

Table description

Item	Description
Feature name	WLANClient
Table name	MobilityPeerGroups

Table type	Multi-instance table
Row name	MobilityPeerGroup
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
Name	Mobility peer group name	Index	String. Length is 1 to 15 characters. Case sensitive.
TunnelType	Tunnel IP address type.		Enumeration. 2 : IPv4 10 : IPv6
Enable	Status of mobility peer group.		Boolean. True or 1: enabled. False or 0 : disabled. The default value is false.

WLANClient/PeerGroupIPv4Members

This table contains mobility peer group IPv4 member information.

XML structure

```

<WLANClient>
  <PeerGroupIPv4Members>
    <Member>
      <GroupName></GroupName>
      <MemberIPv4Address></MemberIPv4Address>
    </Member>
  </PeerGroupIPv4Members>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	PeerGroupIPv4Members
Table type	Multi-instance table
Row name	Member

Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
GroupName	Mobility peer group name	Index	String. Length is 1 to 15 characters. Case sensitive.
MemberIpv4 Address	IPv4 address of member.	Index	Ipv4Address.

WLANClient/PeerGroupIPv6Members

This table contains mobility peer group IPv6 member information.

XML structure

```

<WLANClient>
  <PeerGroupIPv6Members>
    <Member>
      <GroupName></GroupName>
      <MemberIpv6Address></MemberIpv6Address>
    </Member>
  </PeerGroupIPv6Members>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	PeerGroupIPv6Members
Table type	Multi-instance table
Row name	Member
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
GroupName	Mobility peer group name	Index	String. Length is 1 to 15 characters. Case sensitive.
MemberIpv6 Address	IPv6 address of member.	Index	Ipv6Address.

WLANClient/Layer2Authentication

This table contains WLAN access security's authenticating configurations in service template.

XML structure

```
<WLANClient>
  <Layer2Authentication>
    <Authentication>
      <ServiceTemplateName></ServiceTemplateName>
      <AuthenticationMode></AuthenticationMode>
      <IntrusionProtectionEnable></IntrusionProtectionEnable>
      <IntrusionProtectionOperation></IntrusionProtectionOperation>
      <TemporaryServiceStopTimer></TemporaryServiceStopTimer>
      <TemporaryBlockTimer></TemporaryBlockTimer>
      <IgnoreAuthorization></IgnoreAuthorization>
      <AuthorizationFailOffline></AuthorizationFailOffline>
      <AccountingFailOffline></AccountingFailOffline>
      <Dot1xHandshakeEnable></Dot1xHandshakeEnable>
      <Dot1xSecurityHandshakeEnable></Dot1xSecurityHandshakeEnable>
      <Dot1xReauthenticationEnable></Dot1xReauthenticationEnable>
      <Dot1xMandatoryDomain></Dot1xMandatoryDomain>
      <Dot1xMaxUserCount></Dot1xMaxUserCount>
      <MACAuthenticationDomain></MACAuthenticationDomain>
      <MACAuthenticationMaxUserCount></MACAuthenticationMaxUserCount>
    </Authentication>
  </Layer2Authentication>
</WLANClient>
```

Table description

Item	Description
Feature name	WLANClient
Table name	Layer2Authentication
Table type	Multi-instance table

Row name	Authentication
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ServiceTemplateName	Service template name.	Index	String, letter, number or '-', '[', ']', '/', '\'. The length is 1 to 63.	
AuthenticationMode	Authentication mode of the service template	N/A	Enumeration: 0 : bypass. 1 : mac authentication 2 : mac then dot1x authentication 3 : dot1x authentication 4 : dot1x then mac authentication 5 : oui then dot1x	Default status is bypass.
IntrusionProtectionEnable	Enable Intrusion Protection of the Service Template	N/A	Boolean: True or 1 : enabled. False or 0 : disabled.	Default status is disabled.
IntrusionProtectionOperation	Operation mode when intrusion detected	N/A	Enumeration: 0 : temporary block mac. 1 : temporary stop the service 2 : stop service	
TemporaryServiceStopTimer	Period value of temporarily stop service	N/A	Unsigned integer Value range is 10 to 300.	Default value is 20 s.
TemporaryBlockTimer	Period value of temporarily block user mac	N/A	Unsigned integer Value range is 60 to 300.	Default value is 180 s.
IgnoreAuthorization	Ignore all authorization information set by server.	N/A	Boolean: True or 1 : enabled. False or 0 : disabled.	Default status is disabled.
AuthorizationFailOffline	Users are offline if the authorizing failed.	N/A	Boolean: True or 1 : enabled. False or 0 : disabled.	Default status is disabled
AccountingFailOffline	Users are offline if the accounting request failed.	N/A	Boolean: True or 1 : enabled. False or 0 : disabled.	Default status is disabled
Dot1xHandshakeEnable	Enable handshake	N/A	Boolean: True or 1 : enabled.	Default status is disabled

Column name	Column description	Column type	Data type and restrictions	Remarks
	feature of dot1x		False or 0 : disabled.	
Dot1xSecurityHandshakeEnable	Enable secure handshake feature of dot1x	N/A	Boolean: True or 1 : enabled. False or 0 : disabled.	Default status is disabled, and handshake feature should be enabled first.
Dot1xReauthenticationEnable	Enable re-authentication feature of dot1x	N/A	Boolean: True or 1 : enabled. False or 0 : disabled.	Default status is disabled.
Dot1xMandatoryDomain	Mandatory domain of users for the service template	N/A	String, case-insensitive. Length: 1 to 255 characters	No default value.
Dot1xMaxUserCount	Max dot1x user numbers for a bss bound to this service template	N/A	Unsigned integer Value range is 1 to 4096.	Default value is 4096.
MACAuthenticationDomain	Domain of users for the service template	N/A	String, case-insensitive. Length: 1 to 255 characters	
MACAuthenticationMaxUserCount	Max MAC authentication user numbers for a bss bound to this service template	N/A	Unsigned integer Value range is 1 to 4096.	

WLANClient/APs

This table contains AP configuration information.

XML structure

```

<WLANClient>
  <APs>
    <AP>
      <Name></Name>
      <IdleTime></IdleTime>
      <KeepAliveTime></KeepAliveTime>
      <BandNaviStatus></BandNaviStatus>
    </AP>
  </APs>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	APs
Table type	Multi-instance table
Row name	AP
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	AP name	Index	String, lowercase. Length: 1 to 64 characters.	N/A
IdleTime	Station Idle time	N/A	Unsigned integer. Value range: 60s to 86400s. The default value is 3600s.	N/A
KeepAliveTime	Keeping alive time of station	N/A	Unsigned integer. Value range: 3s to 1800s. The default value is 300s, which means disabled.	N/A
BandNaviStatus	Band navigation status	N/A	Enumeration. <ul style="list-style-type: none">0—disabled.1—enabled.2—inherit(default).	Effective only when global BandNaviStatus is enabled.

WLANClient/APGroup

This table contains AP group configuration information.

XML structure

```
<WLANClient>
  <APGroup>
    <Group>
      <Name></Name>
      <BandNaviStatus></BandNaviStatus>
```

```

    </Group>
  </APGroup>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	APGroup
Table type	Multi-instance table
Row name	Group
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
BandNaviStatus	Band navigation status	N/A	Boolean. <ul style="list-style-type: none"> false—disabled true—enabled (default) 	Effective only when global BandNaviStatus is enabled.

WLANClient/BandNavigation

This table contains band navigation information.

XML structure

```

<WLANClient>
  <BandNavigation>
    <GlobalStatus></GlobalStatus>
    <AgingTime></AgingTime>
    <DenialCnt></DenialCnt>
    <Session></Session>
    <Gap></Gap>
    <Threshold></Threshold>
  </BandNavigation>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	BandNavigation
Table type	Single-instance table
Row name	N/A
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
GlobalStatus	Global status of band navigation	N/A	Boolean. <ul style="list-style-type: none">false—disabled(default).true—enabled.
AgingTime	Client information aging time	N/A	Unsigned integer. Unit is second. Value range: 10 to 600. The default value is 180.
DenialCnt	Maximum number of denials for 5 GHz association requests	N/A	Unsigned integer. Value range: 1 to 10. The default value is 0.
Session	Client number threshold for the 5 GHz radio	N/A	Unsigned integer. Value range: 2 to 120.
Gap	Threshold for the session gap between the current 5 GHz radio and the radio that has the fewest clients	N/A	Unsigned integer. Value range: 1 to 8. The default value is 4.
Threshold	RSSI threshold	N/A	Unsigned integer. Unit is dB. Value range: 5 to 100. The default value is 15.

WLANClient/LoadBalance

This table contains load balancing information.

XML structure

```
<WLANClient>
  <LoadBalance>
    <Status></Status>
    <Mode></Mode>
```

```

    <Bandwidth></Bandwidth>
    <BandwidthGap></BandwidthGap>
    <Session></Session>
    <SessionGap></SessionGap>
    <Traffic></Traffic>
    <TrafficGap></TrafficGap>
    <DenialNum></DenialNum>
    <Threshold></Threshold>
  </LoadBalance>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	LoadBalance
Table type	Single-instance table
Row name	N/A
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Status	WLAN load balancing status	N/A	Boolean. <ul style="list-style-type: none"> false—disabled(default). true—enabled. 	N/A
Mode	Load balancing mode	N/A	Enumeration: <ul style="list-style-type: none"> 1—session-mode(default). 2—traffic-mode. 3—bandwidth-mode. 	N/A
Session	Session threshold in number of clients	N/A	Unsigned integer. Value range:1 to 120. The default value is 20.	This column can be configured only when the Mode is session-mode (1).To delete value just input Mode label.
Session Gap	Session gap threshold	N/A	Unsigned integer. Value range:1 to 812. The default value is 4.	This column cannot be configured if the Session is not configured. To delete value just input Mode label.
Bandwidth	Bandwidth threshold	N/A	Unsigned integer. Unit is Mbps. Value range:1 to	This column can be configured only when the

Column name	Column description	Column type	Data type and restrictions	Remarks
			500. The default value is 40.	Mode is bandwidth-mode (3). To delete value just input Mode label.
Bandwidth Gap	Bandwidth gap threshold	N/A	Unsigned integer. Unit is Mbps. Value range:1 to 200. The default value is 20.	This column cannot be configured if the Bandwidth is not configured. To delete value just input Mode label.
Traffic	Traffic threshold	N/A	Unsigned integer. Unit is percent. Value range:1 to 80. The default value is 30.	This column can be configured only when the Mode is traffic -mode (2). To delete value just input Mode label.
TrafficGap	Traffic gap threshold	N/A	Unsigned integer. Unit is percent. Value range:10 to 40. The default value is 20.	This column cannot be configured if theTraffic is not configured. To delete value just input Mode label.
DenialNum	Maximum number of denials for association requests	N/A	Unsigned integer. Value range:2 to 10.The default value is 10.	N/A
Threshold	RSSI threshold	N/A	Unsigned integer. Unit is dB. Value range:5 to 100.The default value is 25.	N/A

WLANClient/LoadBalanceGroup

This table contains load balancing group information.

XML structure

```

<WLANClient>
  <LoadBalanceGroup>
    <Group>
      <GroupId></GroupId>
      <GroupDescription></GroupDescription>
    </Group>
  </LoadBalanceGroup>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	LoadBalanceGroup

Table type	Multi-instance table
Row name	Group
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
GroupId	Load balancing group identifier	Index	Unsigned integer. Value range: 1 to 65535.
GroupDescription	Description for the load balancing group	N/A	String, case-sensitive. Length: 1 to 64 characters.

WLANClient/RadioInLBGroup

This table contains radio information of radios in the load balancing group.

XML structure

```

<WLANClient>
  <RadioInLBGroup>
    <Radio>
      <GroupId></GroupId>
      <ApName></ApName>
      <RadioId></RadioId>
    </Radio>
  </RadioInLBGroup>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	RadioInLBGroup
Table type	Multi-instance table
Row name	Radio
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
GroupId	Load balancing group identifier	Index	Unsigned integer. Value range: 1 to 65535.
ApName	AP name	Index	String, lowercase. Length: 1 to 64 characters.
RadioId	Radio identifier	Index	Unsigned integer. Value range: 1 to 31

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WLANClient

WLANClient/APAssociations

This table contains AP association information.

XML structure

```
<WLANClient>
  <APAssociations>
    <Association>
      <Name></Name>
      <Total></Total>
      <Reassociation></Reassociation>
      <Failure></Failure>
      <Rejection></Rejection>
      <Exception></Exception>
      <Current></Current>
    </Association>
  </APAssociations>
</WLANClient>
```

Table description

Item	Description
Feature name	WLANClient
Table name	APAssociations
Table type	Multi-instance table
Row name	Association
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Name	AP name	Index	String, lowercase. Length: 1 to 63 characters.
Total	Total associations		Unsigned integer

Column name	Column description	Column type	Data type and restrictions
Reassociation	Reassociations		Unsigned integer
Failure	Association failures		Unsigned integer
Rejection	Rejections of association		Unsigned integer
Exception	Exceptional associations		Unsigned integer
Current	Current associations		Unsigned integer

WLANClient/ServiceTemplates

This table contains service template information.

XML structure

```

<WLANClient>
  <ServiceTemplates>
    <Template>
      <Name></Name>
      <SSID></SSID>
      <DefaultVlan></DefaultVlan>
      <HideSsid></HideSsid>
      <MaxClientCnt></MaxClientCnt>
      <Enable></Enable>
    </Template>
  </ServiceTemplates>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	ServiceTemplates
Table type	Multi-instance table
Row name	Template
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
Name	Service template name	Index	String, letter, number or '-', '[', ']', '/', '\'. The length is 1 to 63.
SSID	Identifier of service set.		String, the length is 1 to 32.
DefaultVlan	DefaultVlan		Unsigned integer. Value range: 1 to 4094. The default value is 1.
HideSsid	Hiding status of SSID		Boolean: <ul style="list-style-type: none"> true—enabled. false—disabled, default value.
MaxClientCnt	Maximum clients of the BSS.		Unsigned integer. Value range: 1 to 2007. The default value is 0. Value 0 : the number is not restricted.
Enable	Status of service template.		Boolean: True or 1 : enabled. False or 0 : disabled. The default value is false.

WLANClient/ServiceBindings

This table contains service template binding information.

XML structure

```

<WLANClient>
  <ServiceBindings>
    <Binding>
      <ApName></ApName>
      <RadioId></RadioId>
      <ServiceTemplateName></ServiceTemplateName>
      <Vlan></Vlan>
      <VlanGroup></VlanGroup>
    </Binding>
  </ServiceBindings>
</WLANClient>

```


Table description

Item	Description
Feature name	WLANClient
Table name	ServiceBindings
Table type	Multi-instance table
Row name	Binding
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
ApName	AP name	Index	String, lowercase. Length: 1 to 63 characters.
RadioId	Radio identifier.	Index	Unsigned char. Value range: 1 to 4
ServiceTemplateName	Service template name.	Index	String, letter, number or '-', '[', ']', '/', '\'. The length is 1 to 63.
Vlan	VLAN.		Unsigned integer. Value range: 1 to 4094.
VlanGroup	VlanGroup		String. Length: 1 to 31 characters.

WLANClient/ServiceConnections

This table contains service template connection information.

XML structure

```
<WLANClient>
  <ServiceConnections>
    <Connection>
      <Name></Name>
      <ApName></ApName>
      <RadioId></RadioId>
    </Connection>
  </ServiceConnections>
</WLANClient>
```

Table description

Item	Description
Feature name	WLANClient
Table name	ServiceConnections
Table type	Multi-instance table
Row name	Connection
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
Name	Service template name.	Index	String, letter, number or '-', '[', ']', '/', '\'. The length is 1 to 63.
ApName	AP name	Index	String, lowercase. Length: 1 to 63 characters.
Radioid	Radio identifier.	Index	Unsigned char. Value range: 1 to 4

WLANClient/ServiceSecurity

This table contains security information of service template.

XML structure

```
<WLANClient>
  <ServiceSecurity>
    <Security>
      <Name></Name>
      <WpaIeSelected></WpaIeSelected>
      <RsnIeSelected></RsnIeSelected>
      <TkipSelected></TkipSelected>
      <CcmpSelected></CcmpSelected>
      <Wep40Selected></Wep40Selected>
      <Wep104Selected></Wep104Selected>
      <Wep128Selected></Wep128Selected>
      <AkmMode></AkmMode>
      <PskInputMode></PskInputMode>
      <PskPassPhraseKey></PskPassPhraseKey>
      <PskRawKey></PskRawKey>
```

```

    <PtkLifeTime></PtkLifeTime>
    <GtkUpdateEnable></GtkUpdateEnable>
    <GtkUpdateMode></GtkUpdateMode>
    <GtkUpdateTime></GtkUpdateTime>
    <GtkPacketNumber></GtkPacketNumber>
    <ClientOffUpdateGtk></ClientOffUpdateGtk>
    <TkipCmTime></TkipCmTime>
  </Security>
</ServiceSecurity>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	ServiceSecurity
Table type	Multi-instance table
Row name	Security
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	Service template name	Index	String, letter, number or '-', '[,]', '/', '-'. The length is 1 to 63.	N/A
WpaSelected	Is Security IE WPA selecte.		Boolean. True or 1 : selected. False or 0 : no selected. The default value is false.	N/A
RsnSelected	Is Security IE RSN selecte.		Boolean. True or 1 : selected. False or 0 : no selected. The default value is false.	N/A
TkipSelected	Tkip is selected cipher		Boolean. True or 1 : selected. False or 0 : no selected. The default value is false.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
CcmpSelected	Ccmp is selected cipher		Boolean. True or 1 : selected. False or 0 : no selected. The default value is false.	N/A
Wep40Selected	Wep40 is selected cipher		Boolean. True or 1 : selected. False or 0 : no selected. The default value is false.	N/A
Wep104Selected	Wep104 is selected cipher		Boolean. True or 1 : selected. False or 0 : no selected. The default value is false.	N/A
Wep128Selected	Wep128 is selected cipher		Boolean. True or 1 : selected. False or 0 : no selected. The default value is false.	N/A
AkmMode	AKM mode.		Enumeration. 1 : 802.1x. 2 : PSK.	N/A
PskInputMode	PSK input mode.		Enumeration. 1 : pass-phrase. 2 : rawkey.	N/A
PskPassPhraseKey	Pre-shared key.		String.	PSK is a string including 8-63 alphanumeric characters.
PskRawKey	Raw key		String	PSK is a string including 64 hex characters.
PtkLifeTime	PTK life time.		Unsigned integer. Unit is second. Value range is 180 to 604800. The default value is 43200.	N/A
GtkUpdateEnabled	Whether GTK update is enabled.		Boolean. True or 1 : update. False or 0 : no update. The default value is false.	N/A
GtkUpdateMode	GTK update mode.		Enumeration. 1: based on time. 2 : based on packet number.	N/A
GtkUpdateTime	GTK update time interval.		Unsigned integer. Unit is second. Value range is 180 to 604800. The	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
			default value is 86400.	
GtkPacketNumber	GTK update packet number threshold.		Unsigned integer. Value range is 5000 to 4294967295. The default value is 10000000.	N/A
ClientOffUpdateGtk	Whether to update GTK when client goes offline.		Boolean. True or 1 : update. False or 0 : no update. The default value is false.	N/A
TkipCmTime	Interval time of TKIP counter measures.		Unsigned integer. Value range is 0 to 3600. Unit is second. The default value is 0 which means no counter measures.	N/A

WLANClient/ServiceWepKey

This table contains security wep key information of service template.

XML structure

```

<WLANClient>
  <ServiceWepKey>
    <WepKey>
      <ServiceName></ServiceName>
      <WepKeyId></WepKeyId>
      <CipherSuite></CipherSuite>
      <KeyInputType></KeyInputType>
      <Wep40PassPhraseKey></Wep40PassPhraseKey>
      <Wep40RawKey></Wep40RawKey>
      <Wep104PassPhraseKey></Wep104PassPhraseKey>
      <Wep104RawKey></Wep104RawKey>
      <Wep128PassPhraseKey></Wep128PassPhraseKey>
      <Wep128RawKey></Wep128RawKey>
      <IsSelected></IsSelected>
    </WepKey>
  </ServiceWepKey>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient

Table name	ServiceWepKey
Table type	Multi-instance table
Row name	WepKey
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ServiceName	Service template name	Index	String, letter, number or '-', '[', ']', '/', '\'. The length is 1 to 63.	N/A
WepKeyId	WEP key ID	Index	Enumeration. Value range: 1 to 4.	N/A
CipherSuite	WEP cipher suite.		Enumeration. 1 : wep40. 5 : wep104. 7 : wep128.	N/A
KeyInputType	Key Type		Enumeration. 1 : PassPhrase. 2 : RawKey	N/A
Wep40PassPhraseKey	Wep40 key in pass-phrase		String.	The key is 5 alphanumeric characters.
Wep40RawKey	Wep40 key in raw		String.	The key is 10 hex characters.
Wep104PassPhraseKey	Wep104 key in pass-phrase		String.	The key is 13 alphanumeric characters.
Wep104RawKey	Wep104 key in raw		String.	The key is 26 hex characters.
Wep128PassPhraseKey	Wep128 key in pass-phrase		String.	The key is 16 alphanumeric characters.
Wep128RawKey	Wep128 key in raw		String.	The key is 32 hex characters.
IsSelected	Is this wep key Selected.		Boolean. True or 1 : selected. False or 0 : no selected. The default value is false.	N/A

WLANClient/Stations

This table contains station summary information.

XML structure

```
<WLANClient>
  <Stations>
    <Station>
      <MacAddress></MacAddress>
      <UserName></UserName>
      <Aid></Aid>
      <ApName></ApName>
      <RadioId></RadioId>
      <Ssid></Ssid>
      <Bssid></Bssid>
      <VLAN></VLAN>
      <PowerSaveMode></PowerSaveMode>
      <ListenInterval></ListenInterval>
      <UpTime></UpTime>
      <QoSMode></QoSMode>
    </Station>
  </Stations>
</WLANClient>
```

Table description

Item	Description
Feature name	WLANClient
Table name	Stations
Table type	Multi-instance table
Row name	Station
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
MacAddress	MacAddress of station	Index	MAC address	N/A
UserName	User name of station.		String	N/A
Aid	Association ID		Unsigned integer	N/A
ApName	AP name		String	N/A

Radiold	Radio ID		Unsigned char	N/A
Ssid	SSID		String	N/A
Bssid	BSS ID		MAC address	N/A
Vlan	VLAN		Unsigned integer	N/A
PowerSave Mode	Poser save status		Enumeration. 0 : active 1: sleep	N/A
ListenInterval	Listen interval		Unsigned integer	N/A
RSSI	RSSI		Unsigned integer	N/A
RxRate	Reception rate		String	N/A
TxRate	Transmission rate		String	N/A
UpTime	Up time		Integer	N/A
QoSMode	Qosmode		Enumeration. 0 : doesn't support any qos mode 1 : support mode WMM 2 : support mode 11e 3 : support mode WMM and 11e	N/A

WLANClient/Station11nInformation

This table contains station 11n information.

XML structure

```

<WLANClient>
  <Station11nInformation>
    <Dot11n>
      <MacAddress></MacAddress>
      <WirelessMode></WirelessMode>
      <SupportMCSSet></SupportMCSSet>
    </Dot11n>
  </Station11nInformation>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	Station11nInformation

Table type	Multi-instance table
Row name	11n
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
MacAddress	MacAddress of station	Index	MAC address	N/A
WirelessMode	Wireless mode		Enumeration. 1 : 802.11b 2 : 802.11a 4 : 802.11g 8 : 802.11gn 16 : 802.11an 64 : 802.11ac	N/A
SupportMCSSet	Supported MCS		String	N/A

WLANClient/StationSecurityInformation

This table contains station security information.

XML structure

```

<WLANClient>
  <StationSecurityInformation>
    <Security>
      <MacAddress></MacAddress>
      <ClientType></ClientType>
      <AkmMethod></AkmMethod>
      <EncryptionCipher></EncryptionCipher>
    </Security>
  </StationSecurityInformation>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	StationSecurityInformation
Table type	Multi-instance table

Row name	Security
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
MacAddress	MacAddress of station	Index	MAC address	N/A
ClientType	Client type		Enumeration. 0 : pre-rsn 1 : WPA 2 : RSN	N/A
AkmMethod	AKM method		Enumeration.1 : 802.1x 2 : PSK	N/A
EncryptionCipher	Encryption cipher		Enumeration. 0 : USEGROUP 1 : WEP40 2 : TKIP 4 : CCMP 5 : WEP104 6 : BIP 7 : WEP128 255 : CLEAR 255 : CLEAR	N/A

WLANClient/StationRoamInformation

This table contains station roam information.

XML structure

```

<WLANClient>
  <StationRoamInformation>
    <Roam>
      <MacAddress></MacAddress>
      <RoamStatus></RoamStatus>
    </Roam>
  </StationRoamInformation>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	StationRoamInformation
Table type	Multi-instance table
Row name	Roam
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
MacAddress	MacAddress of station	Index	MAC address	N/A
RoamStatus	Roam status		Enumeration.0 : NORMAL. 1 : SEARCHING. 2 : SLOW. 3 : FAST. 4 : ROAMAUTHING. 5 : ROAMFAILED. 6 : INTRAAC_SLOW. 7 : INTERAC_SLOW, 8 : INTRAAC_FAST, 9 : INTERAC_FAST. 10 : INTRAMA_SLOW. 11 : INTERMA_SLOW. 12 : INTRAMA_FAST. 13 : INTERMA_FAST. 14 : ROAMBACK_SLOW. 15 : ROAMBACK_FAST. 16 : INTRABSSID_FAST. 17 : INTRABSSID_SLOW.	N/A

WLANClient/StationStatistics

This table contains station statistics information.

XML structure

```
<WLANClient>
  <StationStatistics>
    <Statistics>
      <MacAddress></MacAddress>
    </Statistics>
  </StationStatistics>
</WLANClient>
```

Table description

Item	Description
Feature name	WLANClient
Table name	StationStatistics
Table type	Multi-instance table
Row name	Statistics
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
MacAddress	MacAddress of station	Index	MAC address	N/A
TxBkFrames	Transmitted background frames		Unsigned integer64	N/A
TxBkBytes	Transmitted background bytes		Unsigned integer64	N/A
TxBeframes	Transmitted besteffort frames		Unsigned integer64	N/A
TxBefBytes	Transmitted besteffort bytes		Unsigned integer64	N/A
TxViFrames	Transmitted video frames		Unsigned integer64	N/A
TxViBytes	Transmitted video bytes		Unsigned integer64	N/A
TxVoFrames	Transmitted voice frames		Unsigned integer64	N/A
TxVoBytes	Transmitted voice bytes		Unsigned integer64	N/A

RxBkFrames	Received background frames		Unsigned integer64	N/A
RxBkBytes	Received background bytes		Unsigned integer64	N/A
RxBeFrames	Received besteffort frames		Unsigned integer64	N/A
RxBeBytes	Received besteffort bytes		Unsigned integer64	N/A
RxViFrames	Received video frames		Unsigned integer64	N/A
RxViBytes	Received video bytes		Unsigned integer64	N/A
RxVoFrames	Received voice frames		Unsigned integer64	N/A
RxVoBytes	Received voice bytes		Unsigned integer64	N/A
DropBkFrames	Dropped background frames		Unsigned integer64	N/A
DropBkBytes	Dropped background bytes		Unsigned integer64	N/A
DropBeFrames	Dropped besteffort frames		Unsigned integer64	N/A
DropBeBytes	Dropped besteffort bytes		Unsigned integer64	N/A
DropViFrames	Dropped video frames		Unsigned integer64	N/A
DropViBytes	Dropped video bytes		Unsigned integer64	N/A
DropVoFrames	Dropped voice frames		Unsigned integer64	N/A
DropVoBytes	Dropped voice bytes		Unsigned integer64	N/A

WLANClient/RadioWmm

This table contains radio WMM information.

XML structure

<WLANClient>

```

<RadioWmm>
  <Wmm>
    <ApName></ApName>
    <RadioId></RadioId>
    <Enable></Enable>
    <SvpMapAc></SvpMapAc>
    <CacPolicy></CacPolicy>
    <CacUserNum></CacUserNum>
    <CacChannelUtilization></CacChannelUtilization>
  </Wmm>
</RadioWmm>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	RadioWmm
Table type	Multi-instance table
Row name	Wmm
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
ApName	AP name	Index	String, lowercase. Length: 1 to 63 characters.
RadioId	Radio identifier.	Index	Unsigned char. Value range: 1 to 4
Enable	WMM status of radio		Boolean. True or 1 : enable False or 0 : disable The default value is true.
SvpMapAc	Access category of SVP		Enumeration. 2 : vi 3 : vo
CacPolicy	CAC policy		Enumeration. 1 : channel utilization. 2 : based on client number.

Column name	Column description	Column type	Data type and restrictions
			The default value is 2.
CacUserNum	CAC client number threshold		Unsigned integer. Value range is 0 to 124. The default value is 20.
CacChlUtilValue	CAC channel utilization threshold.		Unsigned integer. Unit is percent. Value range is 0 to 100. The default value is 65.

WLANClient/ClientEdca

This table contains client EDCA information.

XML structure

```

<WLANClient>
  <ClientEdca>
    <Edca>
      <ApName></ApName>
      <RadioId></RadioId>
      <AccessCategory></AccessCategory>
      <Aifsn></Aifsn>
      <TxOpLimit></TxOpLimit>
      <Ecwmin></Ecwmin>
      <Ecwmax></Ecwmax>
      <CacEnable></CacEnable>
    </Edca>
  </ClientEdca>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	ClientEdca
Table type	Multi-instance table
Row name	Edca
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ApName	AP name	Index	String, lowercase. Length: 1 to 63 characters.	N/A
Radiold	Radio identifier.	Index	Unsigned char. Value range: 1 to 4	N/A
AccessCategory	Access category.	Index	Enumeration. 0 : be. 1 : bk. 2 : vi 3 : vo	N/A
Aifsn	Arbitration Inter Frame Spacing Number		Unsigned integer. Value range is 2 to 15, and is restricted by chipset.	N/A
TxOpLimit	Transmission opportunity limit		Unsigned number. Value range is 0 to 65535. Unit is millisecond.	N/A
Ecwmin	Exponent form of CWmin		Unsigned integer. Value range is 1 to 15.	N/A
Ecwmax	Exponent form of CWmax		Unsigned integer. Value range is 1 to 15.	N/A
CacEnable	Whether CAC is enabled.		Boolean. True or 1 : enabled. False or 0 : disabled. The default value is false.	When ac is vi or vo, Cac can be configured.

WLANClient/StationWmmInformation

This table contains station WMM information.

XML structure

```

<WLANClient>
  <StationWmmInformation>
    <Wmm>
      <MacAddress></MacAddress>
      <SSID></SSID>
      <QoSMode></QoSMode>
    </Wmm>
  </StationWmmInformation>

```


</WLANClient>

Table description

Item	Description
Feature name	WLANClient
Table name	StationWmmInformation
Table type	Multi-instance table
Row name	Wmm
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
MacAddress	MacAddress of station	Index	MAC address	N/A
SSID	SSID		String	N/A
QoSMode	QoS mode		0 : doesn't support any qos mode 1 : support mode WMM 2 : support mode 11e 3 : support mode WMM and 11e	N/A

WLANClient/MobilityRole

This table contains mobility role information.

XML structure

```
<WLANClient>
  <MobilityRole>
    <Role></Role>
    <MAIPv4Address></MAIPv4Address>
    <MAIPv6Address></MAIPv6Address>
  </MobilityRole>
</WLANClient>
```

Table description

Item	Description
Feature name	WLANClient
Table name	MobilityRole
Table type	single-instance table
Row name	Noe
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
Role	Mobility role of the device.		Enumeration. 0 : not configured, default value. 1 : ma 2 : mc
MAIPv4Address	IPv4 address of mobility agent.		Ipv4Address
MAIPv6Address	IPv6 address of mobility agent.		Ipv6Address 若Ipv4和Ipv6同时存在下，则Ipv6有效

WLANClient/MobilityGroups

This table contains mobility group information.

XML structure

```
<WLANClient>
  <MobilityGroups>
    <MobilityGroup>
      <Name></Name>
      <TunnelType></TunnelType>
      <SourceIpv4Address></SourceIpv4Address>
      <SourceIpv6Address></SourceIpv6Address>
      <Enable></Enable>
    </MobilityGroup>
  </MobilityGroups>
```

</WLANClient>

Table description

Item	Description
Feature name	WLANClient
Table name	MobilityGroups
Table type	Multi-instance table
Row name	MobilityGroup
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
Name	Mobility group name	Index	String. Length is 1 to 15 characters. Case sensitive.
TunnelType	Tunnel IP address type.		Enumeration. 2 : IPv4. 10 : IPv6
SourceIpv4 Address	Source IPv4 address		Ipv4Address
SourceIpv6 Address	Source IPv6 address		Ipv6Address
Enable	Status of mobility group.		Boolean. True or 1 : enabled. False or 0 : disabled.

WLANClient/MobilityIPv4Members

This table contains mobility group IPv4 member information.

XML structure

```
<WLANClient>
  <MobilityIPv4Members>
    <Member>
      <GroupName></GroupName>
      <MemberIpv4Address></MemberIpv4Address>
      <Status></Status>
      <UpTime></UpTime>
```

```

    </Member>
  </MobilityIPv4Members>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	MobilityIPv4Members
Table type	Multi-instance table
Row name	Member
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
GroupName	Mobility group name	Index	String. Length is 1 to 15 characters. Case sensitive.
MemberIpv4 Address	IPv4 address of member.	Index	Ipv4Address.
Status	Mobility Status		Enumeration. 1 : up 2 : down
UpTime	Online Time		Unsigned integer.

WLANClient/MobilityIPv6Members

This table contains mobility group IPv6 member information.

XML structure

```

<WLANClient>
  <MobilityIPv6Members>
    <Member>
      <GroupName></GroupName>
      <MemberIpv6Address></MemberIpv6Address>
      <Status></Status>
      <UpTime></UpTime>
    </Member>
  </MobilityIPv6Members>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	MobilityIPv4Members
Table type	Multi-instance table
Row name	Member
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
GroupName	Mobility group name	Index	String. Length is 1 to 15 characters. Case sensitive.
MemberIpv6 Address	IPv6 address of member.	Index	Ipv6Address.
Status	Mobility Status		Enumeration. 1 : up 2 : down
UpTime	Online Time		Unsigned integer.

WLANClient/RoamInStation

This table contains station roam in information.

XML structure

```
<WLANClient>
  <RoamInStation>
    <Station>
      <MacAddress></MacAddress>
      <BssID></BssID>
      <VlanID></VlanID>
      <OnlineTime></OnlineTime>
      <HomeAcIpv4></HomeAcIpv4>
      <HomeAcIpv6></HomeAcIpv6>
    </Station>
  </RoamInStation>
</WLANClient>
```

Table description

Item	Description
Feature name	WLANClient
Table name	RoamInStation
Table type	Multi-instance table
Row name	Station
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
MacAddress	MacAddress of station	Index	MAC address	N/A
BssID	BSS ID		MAC address	N/A
VlanID	VLAN-ID		Unsigned integer 1 to 4094	N/A
OnlineTime	Online time in seconds		Unsigned integer	N/A
HomeAcIpv4	Home AC IPv4		String	N/A
HomeAcIpv6	Home AC Ipv6		String	N/A

WLANClient/RoamOutStation

This table contains station roam out information.

XML structure

```
<WLANClient>
  <RoamOutStation>
    <RoamOutStaInfo>
      <MacAddress></MacAddress>
      <BssID></BssID>
      <VlanID></VlanID>
      <OnlineTime></OnlineTime>
      <ForeignAcIpv4></ForeignAcIpv4>
      <ForeignAcIpv6></ForeignAcIpv6>
    </RoamOutStaInfo>
  </RoamOutStation>
</WLANClient>
```

Table description

Item	Description
Feature name	WLANClient
Table name	RoamOutStation
Table type	Multi-instance table
Row name	RoamOutStaInfo
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
MacAddress	MacAddress of station	Index	MAC address	N/A
BssID	BSS ID		MAC address	N/A
VlanID	VLAN-ID		Unsigned integer 1 to 4094	N/A
OnlineTime	Online time in seconds		Unsigned integer	N/A
HomeAcIpv4	Foreign AC Ipv4		String	N/A
ForeignAcIpv6	Foreign AC Ipv6		String	N/A

WLANClient/StationRoamTrack

This table contains station roam track information.

XML structure

```
<WLANClient>
  <StationRoamTrack>
    <RoamTrack>
      <MacAddress></MacAddress>
      <TrackCnt></TrackCnt>
      <BssId></BssId>
      <OnlineTime></OnlineTime>
      <AcIpv4Addr></AcIpv4Addr>
      <AcIpv6Addr></AcIpv6Addr>
    </RoamTrack>
  </StationRoamTrack>
</WLANClient>
```

Table description

Item	Description
Feature name	WLANClient
Table name	StationRoamTrack
Table type	Multi-instance table
Row name	RoamTrack
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
MacAddress	MacAddress of station	Index	MAC address	N/A
TrackCnt	Track count	Index	Unsigned integer	N/A
BssId	BSS ID		MAC address	N/A
OnlineTime	Online time in seconds		Unsigned integer	N/A
AcIpv4Addr	Ipv4 address of AC		String	N/A
AcIpv6Addr	Ipv6 address of AC		String	N/A

WLANClient/MobilityPeerGroups

This table contains mobility peer group information.

XML structure

```
<WLANClient>
  <MobilityPeerGroups>
    <MobilityPeerGroup>
      <Name></Name>
      <TunnelType></TunnelType>
      <Enable></Enable>
    </MobilityPeerGroup>
  </MobilityPeerGroups>
</WLANClient>
```


Table description

Item	Description
Feature name	WLANClient
Table name	MobilityPeerGroups
Table type	Multi-instance table
Row name	MobilityPeerGroup
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
Name	Mobility peer group name	Index	String. Length is 1 to 15 characters. Case sensitive.
TunnelType	Tunnel IP address type.		Enumeration. 2 : IPv4. 10 : IPv6
Enable	Status of mobility peer group.		Boolean. True or 1 : enabled. False or 0 : disabled.

WLANClient/PeerGroupIPv4Members

This table contains mobility peer group IPv4 member information.

XML structure

```
<WLANClient>
  <PeerGroupIPv4Members>
    <Member>
      <GroupName></GroupName>
      <MemberIPv4Address></MemberIPv4Address>
    </Member>
  </PeerGroupIPv4Members>
</WLANClient>
```

Table description

Item	Description
Feature name	WLANClient
Table name	PeerGroupIPv4Members
Table type	Multi-instance table
Row name	Member
Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
GroupName	Mobility peer group name	Index	String. Length is 1 to 15 characters. Case sensitive.
MemberIpv4 Address	IPv4 address of member.	Index	Ipv4Address.

WLANClient/PeerGroupIPv6Members

This table contains mobility peer group IPv6 member information.

XML structure

```
<WLANClient>
  <PeerGroupIPv6Members>
    <Member>
      <GroupName></GroupName>
      <MemberIpv6Address></MemberIpv6Address>
    </Member>
  </PeerGroupIPv6Members>
</WLANClient>
```

Table description

Item	Description
Feature name	WLANClient
Table name	PeegGroupIPv6Members
Table type	Multi-instance table
Row name	Member

Restrictions	None
Support for row creation and deletion	Yes

Columns

Column name	Column description	Column type	Data type and restrictions
GroupName	Mobility peer group name	Index	String. Length is 1 to 15 characters. Case sensitive.
MemberIpv6 Address	IPv6 address of member.	Index	Ipv6Address.

WLANClient/Layer2Authentication

This table contains WLAN access security's authenticating configurations in service template.

XML structure

```

<WLANClient>
  <Layer2Authentication>
    <Authentication>
      <ServiceTemplateName></ServiceTemplateName>
      <AuthenticationMode></AuthenticationMode>
      <IntrusionProtectionEnable></IntrusionProtectionEnable>
      <IntrusionProtectionOperation></IntrusionProtectionOperation>
      <TemporaryServiceStopTimer></TemporaryServiceStopTimer>
      <TemporaryBlockTimer></TemporaryBlockTimer>
      <IgnoreAuthorization></IgnoreAuthorization>
      <AuthorizationFailOffline></AuthorizationFailOffline>
      <AccountingFailOffline></AccountingFailOffline>
      <Dot1xHandshakeEnable></Dot1xHandshakeEnable>
      <Dot1xSecurityHandshakeEnable></Dot1xSecurityHandshakeEnable>
      <Dot1xReauthenticationEnable></Dot1xReauthenticationEnable>
      <Dot1xMandatoryDomain></Dot1xMandatoryDomain>
      <Dot1xMaxUserCount></Dot1xMaxUserCount>
      <MACAuthenticationDomain></MACAuthenticationDomain>
      <MACAuthenticationMaxUserCount></MACAuthenticationMaxUserCount>
    </Authentication>
  </Layer2Authentication>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	Layer2Authentication
Table type	Multi-instance table
Row name	Authentication
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
ServiceTemplateName	Service template name.	Index	String, letter, number or '-', '[', ']', '/', '-'. The length is 1 to 63.	
AuthenticationMode	Authentication mode of the service template	N/A	Enumeration: 0 : bypass. 1 : mac authentication 2 : mac then dot1x authentication 3 : dot1x authentication 4 : dot1x then mac authentication 5 : oui then dot1x	Default mode is bypass
IntrusionProtectionEnable	Enable Intrusion Protection of the Service Template	N/A	Boolean: True or 1 : enabled. False or 0 : disabled.	Default status is disabled
IntrusionProtectionOperation	Operation mode when intrusion detected	N/A	Enumeration: 0 : temporary block mac. 1 : temporary stop the service 2 : stop service	Column name
TemporaryServiceStopTimer	Period value of temporarily stop service	N/A	Unsigned integer Value range: 10 to 300.	Default value is 20 s.
TemporaryBlockTimer	Period value of temporarily block user mac	N/A	Unsigned integer Value range: 60 to 300.	Default value is 180 s.
IgnoreAuthorization	Ignore all authorization information set by server.	N/A	Boolean: True or 1 : enabled. False or 0 : disabled.	Default status is disabled
AuthorizationFailOffline	Users are offline if the	N/A	Boolean: True or 1 : enabled.	Default status is disabled

Column name	Column description	Column type	Data type and restrictions	Remarks
	authorizing failed.		False or 0 : disabled.	
AccountingFailOffline	Users are offline if the accounting request failed.	N/A	Boolean: True or 1 : enabled. False or 0 : disabled.	Default status is disabled
Dot1xHandshakeEnable	Enable handshake feature of dot1x	N/A	Boolean: True or 1 : enabled. False or 0 : disabled.	Default status is disabled
Dot1xSecurityHandshakeEnable	Enable secure handshake feature of dot1x	N/A	Boolean: True or 1 : enabled. False or 0 : disabled.	Default status is disabled, and handshake feature should be enabled first.
Dot1xReauthenticationEnable	Enable re-authentication feature of dot1x	N/A	Boolean: True or 1 : enabled. False or 0 : disabled.	Default status is disabled
Dot1xMandatoryDomain	Mandatory domain of users for the service template	N/A	String, case-insensitive. Length: 1 to 255 characters	No default value
Dot1xMaxUserCount	Max dot1x user numbers for a bss bound to this service template	N/A	Unsigned integer Value range: 1 to 4096.	Default value is 4096.
MACAuthenticationDomain	Domain of users for the service template	N/A	String, case-insensitive. Length: 1 to 255 characters	
MACAuthenticationMaxUserCount	Max MAC authentication user numbers for a bss bound to this service template	N/A	Unsigned integer Value range: 1 to 4096.	

WLANClient/StationLayer2Authentication

This table contains wlan authenticated station's connection information.

XML structure

```

<WLANClient>
  <StationLayer2Authentication>
    <Information>
      <MACAddress></MACAddress>

```

```

    <AuthenDomain></AuthenDomain>
    <AuthenMode></AuthenMode>
    <AuthenMethod></AuthenMethod>
    <AuthorACLIndex></AuthorACLIndex>
    <AuthorUserProfile></AuthorUserProfile>
  </Information>
</StationLayer2Authentication>
</WLANClient>

```

Table description

Item	Description
Feature name	WLAS
Table name	StationLayer2Authentication
Table type	Multi-instance table
Row name	Information
Restrictions	None.

Columns

Column name	Column description	Column type	Data type and restrictions
MACAddress	Station MAC address	Index	MAC address
AuthenDomain	Domain of the user.	N/A	String, case-insensitive. Length: 1 to 255 characters.
AuthenMode	Authentication Mode.	N/A	Enumeration: 0 : BYPASS. 1 : MAC authentication. 2 : Dot1X. 3 : OUI.
AuthenMethod	Authentication Method of Dot1X user.	N/A	Enumeration: 1 : Chap. 2 : PAP. 3 : EAP
AuthorACLIndex	Authorization ACL group index allocated by the server.	N/A	Unsigned integer.
AuthorUserProfile	Authorization User Profile name allocated by the server.	N/A	String Length: 1 to 31 characters.

WLANClient

WLANClient/APs

This table contains AP configuration information.

XML structure

```
<WLANClient>
  <APs>
    <AP>
      <Name></Name>
      <IdleTime></IdleTime>
      <KeepAliveTime></KeepAliveTime>
      <BandNaviStatus></BandNaviStatus>
    </AP>
  </APs>
</WLANClient>
```

Table description

Item	Description
Feature name	WLANClient
Table name	APs
Table type	Multi-instance table
Row name	AP
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	AP name	Index	String, lowercase. Length: 1 to 64 characters.	N/A
IdleTime	Station Idle time	N/A	Unsigned integer. Value range: 60s to 86400s.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
KeepAliveTime	Keeping alive time of station	N/A	Unsigned integer. Value range: 3s to 1800s.	N/A
BandNaviStatus	Band navigation status	N/A	Enumeration. <ul style="list-style-type: none"> 0—disabled 1—enabled 2—inherit 	Effective only when global BandNaviStatus is enabled.

WLANClient/APGroup

This table contains AP group configuration information.

XML structure

```

<WLANClient>
  <APGroup>
    <Group>
      <Name></Name>
      <BandNaviStatus></BandNaviStatus>
    </Group>
  </APGroup>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	APGroup
Table type	Multi-instance table
Row name	Group
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Name	AP group name	Index	String, lowercase. Length: 1 to 31 characters.	N/A
BandNaviStatus	Band navigation status	N/A	Boolean. <ul style="list-style-type: none">false—disabled.true—enabled.	Effective only when global BandNaviStatus is enabled.

WLANClient/BandNavigation

This table contains band navigation information.

XML structure

```
<WLANClient>
  <BandNavigation>
    <GlobalStatus></GlobalStatus>
    <AgingTime></AgingTime>
    <DenialCnt></DenialCnt>
    <Session></Session>
    <Gap></Gap>
    <Threshold></Threshold>
  </BandNavigation>
</WLANClient>
```

Table description

Item	Description
Feature name	WLANClient
Table name	BandNavigation
Table type	Single-instance table
Row name	N/A
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
GlobalStatus	Global status of band navigation	N/A	Boolean. <ul style="list-style-type: none">false—disabled.true—enabled.
AgingTime	Client information aging time	N/A	Unsigned integer. Unit is second. Value range: 10 to 600.
DenialCnt	Maximum number of denials for 5 GHz association requests	N/A	Unsigned integer. Value range: 1 to 10.
Session	Client number threshold for the 5 GHz radio	N/A	Unsigned integer. Value range: 2 to 120.
Gap	Threshold for the session gap between the current 5 GHz radio and the radio that has the fewest clients	N/A	Unsigned integer. Value range: 1 to 8.
Threshold	RSSI threshold	N/A	Unsigned integer. Unit is dB. Value range: 5 to 100.

WLANClient/LoadBalance

This table contains load balancing information.

XML structure

```
<WLANClient>
  <LoadBalance>
    <Status></Status>
    <Mode></Mode>
    <Bandwidth></Bandwidth>
    <BandwidthGap></BandwidthGap>
    <Session></Session>
    <SessionGap></SessionGap>
    <Traffic></Traffic>
    <TrafficGap></TrafficGap>
    <DenialNum></DenialNum>
    <Threshold></Threshold>
  </LoadBalance>
</WLANClient>
```

Table description

Item	Description
Feature name	WLANClient
Table name	LoadBalance
Table type	Single-instance table
Row name	N/A
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions	Remarks
Status	WLAN load balancing status	N/A	Boolean. <ul style="list-style-type: none"> false—disabled. true—enabled. 	N/A
Mode	Load balancing mode	N/A	Enumeration. <ul style="list-style-type: none"> 1—session-mode. 2—traffic-mode. 3—bandwidth-mode. 	N/A
Session	Session threshold in number of clients	N/A	Unsigned integer. Value range:1 to 120.	This column can be configured only when the Mode is session-mode (1).
Session Gap	Session gap threshold	N/A	Unsigned integer. Value range:1 to 8 12.	This column cannot be configured if the Session is not configured.
Bandwidth	Bandwidth threshold	N/A	Unsigned integer. Unit is Mbps. Value range:1 to 500.	This column can be configured only when the Mode is bandwidth-mode (3).
Bandwidth Gap	Bandwidth gap threshold	N/A	Unsigned integer. Unit is Mbps. Value range:1 to 200.	This column cannot be configured if the Bandwidth is not configured.
Traffic	Traffic threshold	N/A	Unsigned integer. Unit is percent. Value range:1 to 80.	This column can be configured only when the Mode is traffic -mode (2).
TrafficGap	Traffic gap threshold	N/A	Unsigned integer. Unit is percent. Value range:10 to 40.	This column cannot be configured if the Traffic is not configured.
DenialNum	Maximum number of denials for association requests	N/A	Unsigned integer. Value range:2 to 10.	N/A

Column name	Column description	Column type	Data type and restrictions	Remarks
Threshold	RSSI threshold	N/A	Unsigned integer. Unit is dB. Value range:5 to 100.	N/A

WLANClient/LoadBalanceGroup

This table contains load balancing group information.

XML structure

```

<WLANClient>
  <LoadBalanceGroup>
    <Group>
      <GroupId></GroupId>
      <GroupDescription></GroupDescription>
    </Group>
  </LoadBalanceGroup>
</WLANClient>

```

Table description

Item	Description
Feature name	WLANClient
Table name	LoadBalanceGroup
Table type	Multi-instance table
Row name	Group
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
GroupId	Load balancing group identifier	Index	Unsignedinteger. Value range: 1 to 65535.
GroupDescription	Description for the load balancing group	N/A	String, case-sensitive. Length: 1 to 64 characters.

WLANClient/RadioInLBGroup

This table contains radio information of radios in the load balancing group.

XML structure

```
<WLANClient>
  <RadioInLBGroup>
    <Radio>
      <GroupId></GroupId>
      <ApName></ApName>
      <RadioId></RadioId>
    </Radio>
  </RadioInLBGroup>
</WLANClient>
```

Table description

Item	Description
Feature name	WLANClient
Table name	RadiInLBGroup
Table type	Multi-instance table
Row name	Radio
Restrictions	None

Columns

Column name	Column description	Column type	Data type and restrictions
GroupId	Load balancing group identifier	Index	Unsigned integer. Value range: 1 to 65535.
ApName	AP name	Index	String, lowercase. Length: 1 to 64 characters.
RadioId	Radio identifier	Index	Unsigned integer. Value range:1 to 31

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Resource Summary for WLANClient

Resource(Table)	Base URL	HTTP Method			
		GET	POST	PUT	DELETE
ACStamgrCapacity	/api/v1/WLANCLIENT/ACStamgrCapacity	Y	N	N	N
BandNavigation	/api/v1/WLANCLIENT/ BandNavigation	Y	N	N	N
LoadBalance	/api/v1/WLANCLIENT/ LoadBalance	Y	N	N	N

WLANClient

ACStamgrCapacity

The table contains stamgr capacity information.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
StamgrMaxBssid	Stamgr max bssid number	N/A	Unsigned integer.	N/A
StamgrMaxSta	Stamgr max station number	N/A	Unsigned integer.	N/A
StamgrMaxST	Stamgr max ST number	N/A	Unsigned integer.	N/A

Example

Example 1: Get data form resource ACStamgrCapacity.

JSON Request

GET /api/v1/WLANCLIENT/ ACStamgrCapacity

JSON Response

200 OK

```
{" ACStamgrCapacity ": [{  
  " StamgrMaxBssid": 32,  
  " StamgrMaxSta": 9080,
```

```
" StamgrMaxST": 16,
}}
```

MobilityAuthMethod

The table contains client authentication information in WLAN roaming.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
GroupName	Mobility group name	Index	String. Length: 1 to 15 characters.	N/A
AuthMode	Authentication mode	N/A	Enumeration: <ul style="list-style-type: none"> 1—MD5 	N/A
EncryptType	Encryption type	N/A	Enumeration: <ul style="list-style-type: none"> 1—Simple 2—Cipher 	N/A
EncryptKey	Encryption key	N/A	String. Length:1 to 16 characters in simple text, 33 to 53 characters in cipher text.	N/A

Example

Example 1: Get data form resource MobilityAuthMethod.

JSON Request

```
GET /api/v1/WLANCLIENT/MobilityAuthMethod
```

JSON Response

200 OK

```
{" MobilityAuthMethod ": [{
  "GroupName": "mobilitygrp",
  "AuthMode": 1,
  "EncryptType": 1,
  "EncryptKey": "123456789"
}]}
```


Example 2: Add new Instance for resource MobilityAuthMethod.

JSON Request

POST /api/v1/WLANCLIENT/MobilityAuthMethod

```
{  
  "GroupName" : "mobilitygrp",  
  "AuthMode" : 1,  
  "EncryptType" : 1,  
  "EncryptKey" : "123456789"  
}
```

JSON Response

201 Created

Example 3: Change the value of EncryptKey for the assigned instance mobilitygrp.

JSON Request

PUT /api/v1/WLANCLIENT/MobilityAuthMethod?index=GroupName%3Dmobilitygrp

```
{  
  "GroupName" : "mobilitygrp",  
  "AuthMode" : 1,  
  "EncryptType" : 1,  
  "EncryptKey" : "987654321"  
}
```

JSON Response

204 No Content

Example 4: Delete the assigned instance from resource MobilityAuthMethod.

JSON Request

DELETE /api/v1/WLANCLIENT/MobilityAuthMethod?index=GroupName%3Dmobilitygrp

JSON Response

204 No Content

BandNavigation

This table contains band navigation information.

Properties

Column name	Column description	Column type	Data type and restrictions
GlobalStatus	Global status of band navigation	N/A	Boolean. <ul style="list-style-type: none">false—Disabled.true—Enabled.
AgingTime	Client information aging time	N/A	Unsigned integer. Unit is second. Value range: 10 to 600.
DenialCnt	Maximum number of denials for 5 GHz association requests	N/A	Unsigned integer. Value range: 1 to 10.
Session	Client number threshold for the 5 GHz radio	N/A	Unsigned integer. Value range: 2 to 120.
Gap	Threshold for the session gap between the current 5 GHz radio and the radio that has the fewest clients	N/A	Unsigned integer. Value range: 1 to 8.
Threshold	RSSI threshold	N/A	Unsigned integer. Unit is dB. Value range: 5 to 100.

Example

Example 1: Get data from resource BandNavigation.

JSON Request

GET /api/v1/WLANCLIENT/BandNavigation

JSON Response

200 OK

```
{" BandNavigation ": [{  
  " GlobalStatus": true,  
  " AgingTime": 180,  
  " DenialCnt": 1,  
  " Session": 10,  
  " Gap": 0,  
  " Threshold": 15  
}]}
```

LoadBalance

This table contains load balancing information.

Properties

Column name	Column description	Column type	Data type and restrictions	Remarks
Status	WLAN load balancing status	N/A	Boolean. <ul style="list-style-type: none">false—Disabled.true—Enabled.	N/A
Mode	Load balancing mode	N/A	Enumeration. <ul style="list-style-type: none">1—Session mode.2—Traffic mode.3—Bandwidth mode.	N/A
Session	Session threshold in the number of clients	N/A	Unsigned integer. Value range: 1 to 120.	This column can be configured only when the load balancing mode is session-mode (1).
Session Gap	Session gap threshold	N/A	Unsigned integer. Value range: 1 to 12.	This column cannot be configured if the session threshold is not configured.
Bandwidth	Bandwidth threshold	N/A	Unsigned integer. Unit is Mbps. Value range: 1 to 500.	This column can be configured only when the load balancing mode is bandwidth-mode (3).
Bandwidth Gap	Bandwidth gap threshold	N/A	Unsigned integer. Unit is Mbps. Value range: 1 to 200.	This column cannot be configured if the bandwidth threshold is not configured.
Traffic	Traffic threshold	N/A	Unsigned integer. Unit is percent. Value range: 1 to 80.	This column can be configured only when the load balancing mode is traffic -mode (2).
TrafficGap	Traffic gap threshold	N/A	Unsigned integer. Unit is percent. Value range: 10 to 40.	This column cannot be configured if the traffic threshold is not configured.
DenialNum	Maximum number of denials for association requests	N/A	Unsigned integer. Value range: 2 to 10.	N/A
Threshold	RSSI threshold	N/A	Unsigned integer. Unit is dB. Value range: 5 to 100.	N/A

Example

Example 1: Get data from resource LoadBalance.

JSON Request

GET /api/v1/WLANCLIENT/LoadBalance

JSON Response

200 OK

```
{" LoadBalance ": [{  
    "Status": false,  
    "Mode": 1,  
    "Session": 20,  
    "SessionGap": 4,  
    "Bandwidth": 40,  
    "BandwidthGap": 20,  
    "Traffic": 30,  
    "TrafficGap": 20,  
    "DenialNum": 10,  
    "Threshold": 25  
}]}
```