



Preside Multiservice Data Manager

Administration Database Schema

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Administration Database

Schema

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About this document

This document contains the database schema and mapping files.

The following topics are discussed in this section:

- “Who should read this document and why” (page 11)
- “What you need to know” (page 11)
- “How this document is organized” (page 11)
- “What’s new in this document” (page 12)
- “Text conventions” (page 12)
- “Related documents” (page 13)

Who should read this document and why

This document is intended for system integrators, database administrators and individuals who generate SQL queries and reports to read information contained in the Administration Database.

What you need to know

This document assumes that you have knowledge of the Preside Multiservice Data Manager, Nortel Networks products and their deployment, Oracle Databases, and SQL querying.

How this document is organized

This document contains the following sections:

- “Administration Database schema description” (page 15)
- “Administration Database Schema” (page 65)

What's new in this document

The following changes were made to this document:

- Additional media access schema update for release 15.1

Text conventions

This document uses the following text conventions:

- `nonproportional spaced plain type`

Nonproportional spaced plain type represents system generated text or text that appears on your screen.

- **`nonproportional spaced bold type`**

Nonproportional spaced bold type represents words that you should type or that you should select on the screen.

- *italics*

Statements that appear in italics in a procedure explain the results of a particular step and appear immediately following the step.

Words that appear in italics in text are for naming.

- `[optional_parameter]`

Words in square brackets represent optional parameters. The command can be entered with or without the words in the square brackets.

- `<general_term>`

Words in angle brackets represent variables which are to be replaced with specific values.

- UPPERCASE, lowercase

Uppercase and lowercase letters that appear in UNIX commands and parameters must be matched exactly. The system matches upper and lowercase characters differently.

- |

This symbol separates items from which you may select one; for example, ON/OFF indicates that you may specify ON or OFF. If you do not make a choice, a default ON is assumed.

- ...

Three dots in a command indicate that the parameter may be repeated more than once in succession.

The term absolute pathname refers to the full specification of a path starting from the root directory. Absolute pathnames always begin with the slash (/) symbol. A relative pathname takes the current directory as its starting point, and starts with any alphanumeric character (other than /).

Related documents

See the following documents for related information:

- 241-6001-400 *Preside MDM Administration Database User Guide*

Chapter 1

Administration Database schema description

This section provides a description of the Administration Database Schema entities and their attributes. This section contains the following topics:

- “Overview” (page 17)
- “Control tables” (page 17)
 - “ADMIN_SCHEMA_VERSION” (page 18)
 - “ADMIN_COMPONENT_MAPPINGS” (page 18)
 - “ADMIN_ATTRIBUTE_MAPPINGS” (page 19)
 - “ADMIN_NODE_VIEW” (page 20)
 - “ADMIN_NODE_HISTORY” (page 21)
- “Customer model tables” (page 22)
 - “ADMIN_CUSTOMERS” (page 23)
 - “ADMIN_CONTACTS” (page 24)
 - “ADMIN_TM_PROFILES” (page 25)
- “Circuit model tables” (page 26)
 - “ADMIN_CIRCUITS” (page 26)
 - “ADMIN_NPVC_HOPS” (page 28)
 - “ADMIN_COMPOSITE_CIRCUITS” (page 30)
 - “ADMIN_SITES” (page 31)
 - “ADMIN_IP_ACCESS_POINTS” (page 32)

- “IP VPN model tables” (page 33)
 - “ADMIN_VIRTUAL_PRIVATE_NETWORKS” (page 35)
 - “ADMIN_VPN_PRIV_ADDR_POOLS” (page 36)
 - “ADMIN_CR_PUB_ADDR_POOLS” (page 37)
 - “ADMIN_PROVIDER_EDGE_NETWORKS” (page 34)
 - “ADMIN_ROUTE_TARGETS” (page 37)
 - “ADMIN_VRF_RT_USAGES” (page 38)
 - “ADMIN_VPN_RT_USAGES” (page 39)
 - “ADMIN_VPN_MEMBERSHIPS” (page 40)
 - “ADMIN_VPNMON_SERVICE_UIDS” (page 40)
- “Network Elements and Interfaces-specific switch-mastered model tables” (page 42)
 - “ADMIN_DEVICES” (page 42)
 - “ADMIN_FACILITIES” (page 43)
 - “ADMIN_SERVICE_INTERFACES” (page 44)
 - “ADMIN_INTERFACE_ADDRESSES” (page 45)
- “Miscellaneous Configuration-specific switch-mastered model tables” (page 46)
 - “ADMIN_PASSPORT_LPS” (page 46)
 - “ADMIN_PASSPORT_LP_USAGES” (page 47)
 - “ADMIN_VIRTUAL_FRAMER_GATEWAYS” (page 49)
- “IP VPN-specific switch-mastered model tables” (page 49)
 - “ADMIN_IP_CORE_ROUTERS” (page 50)
 - “ADMIN_IP_LOGICAL_INTERFACES” (page 55)
 - “ADMIN_IP_MEDIA” (page 56)
 - “ADMIN_PTMP_TUNNELS” (page 57)
 - “ADMIN_2547_BGP_PEERS” (page 58)

- “ADMIN_VPN_ROUTING_FUNCTIONS” (page 51)
- “ADMIN_IP_VCS” (page 59)
- “Node-specific endpoint switch-mastered model tables” (page 60)
 - “ADMIN_CIRCUIT_ENDPOINTS” (page 61)
 - “ADMIN_PASSPORT_ATM_VCS” (page 61)
 - “ADMIN_PASSPORT_FR_DLCIS” (page 63)
 - “ADMIN_PASSPORT_FRF8_DLCIS” (page 63)

Overview

The Administration Database schema description provides details of the entity and attributes shown in the section “Administration Database Schema” (page 65). This schema contains a set of control tables and the following database objects categorized under the following logical models:

- “Customer model tables” (page 22)
- “Circuit model tables” (page 26)
- “Switch-mastered model tables” (page 41)
- “IP VPN model tables” (page 33)

This schema description provides details for the control table ADMIN_SEQ_GEN and for entities and attributes in each model.

Control tables

The control tables are not part of the logical schema but Preside Multiservice Data Manager applications and services use these tables to manage the content of the data tables. Attributes for the following control tables are available:

- “ADMIN_SCHEMA_VERSION attributes” (page 18)
- “ADMIN_COMPONENT_MAPPINGS” (page 18)
- “ADMIN_ATTRIBUTE_MAPPINGS” (page 19)
- “ADMIN_NODE_VIEW attributes” (page 20)
- “ADMIN_NODE_HISTORY attributes” (page 21)

ADMIN_SCHEMA_VERSION

The ADMIN_SCHEMA_VERSION entity records the current version of the Administration Database schema and the current version of the Preside Multiservice Data Manager (MDM) software. For a description of the attributes, see the table “ADMIN_SCHEMA_VERSION attributes” (page 18).

Table 1
ADMIN_SCHEMA_VERSION attributes

Attribute	Description
id	primary key value, use to ensure that only one record may exist in this table
ver_no	the schema version number
vendor_name	the DBMS platform
migrated_from	the previous MDM version from which the database has been migrated
mdm_version	the current MDM software version (this includes the patch level if the schema is changed for the patch)

ADMIN_COMPONENT_MAPPINGS

The ADMIN_COMPONENT_MAPPINGS entity specifies which network elements, indicated by their location in the component instance tree, are loaded or mapped into specified tables in the Preside Multiservice Data Manager database. Multiple component types can be mapped to the same table and, in a few cases, a single component type can be mapped to multiple tables.

Table 2
ADMIN_COMPONENT_MAPPINGS attributes

Attribute	Description
comp_path	indicates the component type, as a hierarchical path name, uniquely situated in the component instance tree. The same component type may appear in multiple mappings
table_name	the table into which the associated component type, indicated by comp_path, is loaded. The combination of comp_path and table_name is unique.
attribute_mapping_id	identifies one or more records in the ADMIN_ATTRIBUTE_MAPPINGS table, specifying how the attributes of the component type map to the columns of the table. This can be NULL if no attributes of the specified component type need to be mapped to columns in the table.

ADMIN_ATTRIBUTE_MAPPINGS

The ADMIN_ATTRIBUTE_MAPPINGS entity specifies the correspondence of the network element attributes to table columns in the Preside Multiservice Data Manager Administration Database. Individual attribute mappings for a component type are grouped together by a common identifier.

Table 3
ADMIN_ATTRIBUTE_MAPPINGS attributes

Attribute	Description
attribute_mapping_id	identifier for one or more attribute mappings which together are used by a component mapping
attr_name	the name of the attribute which is mapped to a column in the database table
(Sheet 1 of 2)	

Table 3 (Continued)
ADMIN_ATTRIBUTE_MAPPINGS attributes

Attribute	Description
col_tab_name	the name of the column in the table to which the attribute is mapped. Currently, mappings of multi-valued attributes to tables are not supported by the MDM Administration Database
comp_path	matches the type of an ancestor or descendant of the mapped component type in the component hierarchy to which the attribute mapping is applied
(Sheet 2 of 2)	

ADMIN_NODE_VIEW

The ADMIN_NODE_VIEW entity records the latest view and journal that was successfully loaded for each node (a summary of the ADMIN_NODE_HISTORY table). For a description of the attributes, see the table “ADMIN_NODE_VIEW attributes” (page 20).

Table 4
ADMIN_NODE_VIEW attributes

Attribute	Description
node_name	the network element name
last_activation_timestamp	the activation time of the view or journal that was last successfully loaded into the database
last_activation_tag	the 5-digit numeric activation tag of the last view or journal loaded for the node. This tag indicates the equivalence between a committed view in the network element and the previous journal view.
last_view_name	the number of the last loaded view name
last_journal_number	the number of the last loaded journal (this is null if the last synchronization was via a view)
last_view_timestamp	the creation time of the last view file successfully loaded for the device
(Sheet 1 of 2)	

Table 4 (Continued)
ADMIN_NODE_VIEW attributes

Attribute	Description
last_journal_timestamp	the creation time of the last journal file successfully loaded for the device.
discovery_status	indicates the status of discovery for the node
(Sheet 2 of 2)	

ADMIN_NODE_HISTORY

The ADMIN_NODE_HISTORY entity records information about the view or journal files loaded from the network for each network element. For a description of the attributes, see the table “ADMIN_NODE_HISTORY attributes” (page 21).

Table 5
ADMIN_NODE_HISTORY attributes

Attribute	Description
node_name	the network element name
load_seq	a monotonically increasing number defining the sequence (unique for each load) in which views and journals were loaded for a node. Useful for timeline reports.
view_name	the name of a view that was loaded into the database, or for journal loads the committed view on which the journal was based
journal_number	when journals are loaded into the database, the journal number of the journal file, otherwise it is NULL
activation_timestamp	the date and time when the View Backup Server observed the view or journal to be active on the switch
(Sheet 1 of 2)	

Table 5 (Continued)
ADMIN_NODE_HISTORY attributes

Attribute	Description
activation_tag	the 5-digit numeric tag identifying a journal log in the sequence of activations. This attribute stores the activation tag of the loaded journal or, in the case of a view file, the activation tag of the view committed.
load_status	either LOADED or FAILED, depending on the success or failure of the load. While the loading of a view or journal file is in progress, the value is LOADING.
load_timestamp	the workstation timestamp when the load was completed, whether or not the load was successful.
dbsync_id	the unique name of the DBSync server that initiated the load of a particular view or journal file.
view_timestamp	the creation time of the view file that was loaded or the base view for the journal that was loaded.
journal_timestamp	the creation time of the journal file that was loaded.
error_details	in the case of a failed load, this attribute contains details of the cause of failure.
(Sheet 2 of 2)	

Customer model tables

The customer model consists of information about a customer and their service contacts. Service contract data is derived from service provisioning traffic management profile names. Customer model information is not discovered from the network elements, rather the information is entered into the Administration Database through the Database Administration tool or the service provisioning tools.

The customer model contains the following entities:

- “ADMIN_CUSTOMERS” (page 23)

- “ADMIN_CONTACTS” (page 24)
- “ADMIN_TM_PROFILES” (page 25)

ADMIN_CUSTOMERS

The ADMIN_CUSTOMERS entity represents a customer organization. A customer may own zero or more INTERFACES, CIRCUITS, COMPOSITE-SERVICES, SITES, VPNs or Route Targets and is represented by any number of contacts. For a description of attributes, see the table “ADMIN_CUSTOMERS attributes” (page 23).

Table 6
ADMIN_CUSTOMERS attributes

Attribute	Description	Optional
id	a unique, system-generated numerical identifier	
name	a unique, descriptive name of the customer	No
is_default	a Boolean flag indicating whether or not a customer is the default customer. Upon creation, the database is populated with a default customer named “Default Customer” and no other information or contacts. The default customer owns any interfaces discovered in the network, and any circuits discovered for which a more suitable customer association is not available.	No
is_service_provider	Boolean flag indicating whether or not a customer is the service provider. This customer owns those services that are intended for internal use or for network infrastructure (for example, trunks). Like the default customer, you cannot reassign the service provider.	No
isp_asn	specifies a service provider customer’s assigned autonomous system number (ASN). This attribute is blank for non service provider customer	No
last_rt_assigned_num	The last system-assigned route target number for the customer	Yes
business_category	the type of business conducted by the organization	Yes
country	the country where the customer is located	Yes
state_or_province	the state or province where the customer is located	Yes
(Sheet 1 of 2)		

Table 6 (Continued)
ADMIN_CUSTOMERS attributes

Attribute	Description	Optional
city	the city where the customer is located	Yes
street	the street where the customer is located	Yes
postal_code	the postal or ZIP code of the customer	Yes
registered_address	an alternative address for communication where you can send registered mail and have someone sign for it	Yes
telephone_number	customer telephone number, including area code	Yes
fax_number	customer fax number, including area code	Yes
email	customer internet electronic mail address	Yes
description	free-form text description or comments about the customer organization	Yes
(Sheet 2 of 2)		

ADMIN_CONTACTS

The ADMIN_CONTACTS entity represents a person or address that can be reached at a customer organization for such purposes as communication or billing. For a description of attributes, see the table “ADMIN_CONTACTS attributes” (page 24).

Table 7
ADMIN_CONTACTS attributes

Attribute	Description	Optional
id	a unique, system-generated numerical identifier	
customer_id	the CUSTOMER that this contact represents	No
last_name	surname of the contact	No
first_name	first name of the contact	No
title	title, position, or purpose of contact	Yes
country	the country where the contact is located	Yes
state_or_province	the state or province where the contact is located	Yes
(Sheet 1 of 2)		

Table 7 (Continued)
ADMIN_CONTACTS attributes

Attribute	Description	Optional
city	the city where the contact is located	Yes
street	the street where the contact is located	Yes
postal_code	the postal or ZIP code of the contact	Yes
registered_address	an alternative address for communication requiring an individual to accept it	Yes
telephone_number	contact telephone number, including area code	Yes
fax_number	contact fax number, including area code	Yes
email	contact internet electronic mail address	Yes
description	free-form text description or comments about the customer contact	Yes
(Sheet 2 of 2)		

ADMIN_TM_PROFILES

The ADMIN_TM_PROFILES entity represents a traffic management profile. For a description of attributes, see the table “ADMIN_TM_PROFILES attributes” (page 25).

Table 8
ADMIN_TM_PROFILES attributes

Attribute	Description	Optional
id	a unique, system-generated identifier that identifies the TM profile	
name	the name of the profile as it is presented in applications. An alternative unique identifier for this entity is the name along with the version_number.	No
version_number	the version number of the profile. This attribute supports the need to version the contents of TM profiles as they change over time, retaining the same name. An alternative unique identifier for this entity is the name along with the version_number.	No
(Sheet 1 of 2)		

Table 8 (Continued)
ADMIN_TM_PROFILES attributes

Attribute	Description	Optional
creation_date	the date and time when the TM profile was created. TM profiles cannot be edited; only new versions can be created.	No
description	free-form text description of the profile	Yes
tm_profile_type	the type of traffic management profile according to service	No
provisioned_name	the instance name used when provisioning an IP Class of Service profile on-switch	Yes
profile_def	the XML document that specifies the configuration data applied to the switch to implement the IP Class of Service profile	Yes
(Sheet 2 of 2)		

Circuit model tables

The circuit model consists of the network level structure of circuits and more complex services that use these circuits. The model describes the services owned by customers and the relationships to the configuration components on network elements. Circuit model entities are created by the service provisioning tools and by the circuit discovery function of the Database Administration tool.

The circuit model contains the following entities:

- “ADMIN_CIRCUITS” (page 26)
- “ADMIN_NPVC_HOPS” (page 28)
- “ADMIN_COMPOSITE_CIRCUITS” (page 30)
- “ADMIN_SITES” (page 31)
- “ADMIN_IP_ACCESS_POINTS” (page 32)

ADMIN_CIRCUITS

The ADMIN_CIRCUITS entity represents a connection between two endpoints. Endpoints are optional (for example, for an ATM SPVC, the destination may not be known). When ATM PVCs are discovered by

correlation tag based discovery, the order of the hops is unknown and neither endpoint is determined. For a description of attributes, see the table “ADMIN_CIRCUITS attributes” (page 27).

Table 9
ADMIN_CIRCUITS attributes

Attribute	Description	Optional
id	a unique, system-generated identifier that identifies the ADMIN_CIRCUITS entity	
name	a user-defined name for the circuit. This name may be unique, or may be shared by multiple circuits implementing the same service. This entity is commonly referred to as the “Circuit ID” by applications.	No
service_type	indicates the kind of service implemented by the circuit	No
circuit_type	indicates the type of circuit, as a specialization of the service type	No
customer_id	indicates the customer that owns the circuit	No
a_interface	along with a_connection identifies one of the interfaces (referenced) and the connection identifier on that interface that comprises one end of the circuit.	Yes
a_connection	along with a_interface identifies one of the interfaces (referenced) and the connection identifier on that interface that comprises one end of the circuit. For Passport connections, the a_connection is the relative component name (excluding the interface name), for example, “Vcc/0.36” or “Dlci/23”.	Yes
a_endpoint	refers to the “a” endpoint entity and should be consistent with the a_interface and a_connection attributes	Yes
a_tm_profile	identifies traffic management profiles that describe the level of service offered by the circuit at one end of the circuit	Yes
z_interface	along with z_connection identifies the other end of the circuit, similar to a_interface and a_connection	Yes
z_connection	along with z_connection identifies the other end of the circuit, similar to a_interface and a_connection	Yes
(Sheet 1 of 2)		

Table 9 (Continued)
ADMIN_CIRCUITS attributes

Attribute	Description	Optional
z_endpoint	a reference to the 'z' endpoint entity. This should be consistent with the z_interface and z_connection attributes	Yes
z_tm_profile	identifies optional traffic management profiles that describe the level of service offered at the other end of the circuit	Yes
current_hop_version_number	identifies the version number of hops that constitute the current path of the circuit	No
description	a free-form text description of the circuit. Can also be used for annotations.	Yes
composite_id	refers to the composite service containing the circuit	Yes
access_point_id	indicates the access point	No
seq_in_composite	indicates the relative position of a circuit among the members of a composite. If the circuit is a member of a composite, then this sequence value must be specified. This ordering covers not only circuits that are members of the composite, but also other composites (because composites can be nested).	Yes
discovery_timestamp	indicates the timestamp of the last update of the object, either by service discovery or another application. The timestamp is the time when the provisioning actions were activated by the service provisioning tool, or when circuit discovery created the circuit.	No
discovery_status	indicates the status of the object with respect to any conflicts with the current network configuration.	No
(Sheet 2 of 2)		

ADMIN_NPVC_HOPS

The ADMIN_NPVC_HOPS entity represents a hop in an ATM PVC or PVP circuit that defines the cross-connect on a node. For a description of attributes, see the table "ADMIN_NPVC_HOPS attributes" (page 29)

Table 10
ADMIN_NPVC_HOPS attributes

Attribute	Description	Optional
id	a unique, system-generated identifier that identifies the ADMIN_NPVC_HOPS entity	
circuit_id	references the circuit that contains the hop	No
sequence_number	indicates the order of hops	No
version_number	the version of the path or sequence of hops. This attribute is currently not used.	No
a_interface	along with a_connection identify the interface and connection identifier on one side of the cross-connect.	Yes
a_connection	along with a_interface identifies the interface and connection identifier on one side of the cross-connect. For a Passport connection, the a_connection stores the component name, relative to its ancestor interface, for example, "Vcc/0.36" on an AtmIfr or "Dlci/129" on a FrUni.	Yes
a_endpoint	refers to the "a" endpoint entity. This should be consistent with the a_interface and a_connection attributes.	Yes
a_tm_profile	indicates the TM profile applied to the "a" side of the cross-connect, overriding any profile specified for the CIRCUIT as a default	Yes
z_interface	along with z_connection identifies the other side of the cross-connect	Yes
z_connection	along with z_interface identifies the other side of the cross-connect. For a Passport connection, z_connection stores the component name, relative to its ancestor interface, for example, "Atm" on a Trunk interface.	Yes
z_endpoint	a reference to the "z" endpoint entity. This should be consistent with the z_interface and z_connection attributes.	Yes
z_tm_profile	optionally indicates the "z" side TM profile	Yes
(Sheet 1 of 2)		

Table 10 (Continued)
ADMIN_NPVC_HOPS attributes

Attribute	Description	Optional
discovery_timestamp	indicates the timestamp of the last update of the object, either by service discovery or another application. The timestamp is the time when the provisioning actions were activated by the service provisioning tool, or when circuit discovery created the circuit.	No
discovery_status	indicates the status of the object with respect to any conflicts with the current network configuration.	No
(Sheet 2 of 2)		

ADMIN_COMPOSITE_CIRCUITS

The ADMIN_COMPOSITE_CIRCUITS entity represents an end-to-end circuit that is implemented by multiple cooperating circuits, or segments, either serially (for example, FRF.8 FR/ATM gateway) or in parallel (for example, FR DLCI with backups, ATM point-to-multipoint).

Table 11
ADMIN_COMPOSITE_CIRCUITS attributes

Attribute	Description	Optional
id	a unique, system-generated identifier that identifies the ADMIN_COMPOSITE_CIRCUITS entity	
name	a name for the composite service, analogous to CIRCUIT name	No
service_type	identifies the type of service that the composite implements (more specific than the composite type).	No
circuit_type	indicates the type of composite circuit	No
customer_id	refers to the customer that owns the composite service, even if that customer is the service provider	No
parent_id	refers to a composite that contains the composite	Yes
access_point_id	indicates the access point	Yes
(Sheet 1 of 2)		

Table 11 (Continued)
ADMIN_COMPOSITE_CIRCUITS attributes

Attribute	Description	Optional
seq_in_parent	indicates the relative position of a composite among the members of the parent composite. If the composite has a parent, then this sequence value must be specified. This ordering covers composites that are children of the composite and circuits that are members of the parent composite.	Yes
description	a free-form text field for descriptive information of the circuit or for annotations	Yes
discovery_timestamp	indicates the timestamp of the last update of the object, either by service discovery or another application. The timestamp is the time when the provisioning actions were activated by the service provisioning tool, or when circuit discovery created the circuit.	No
discovery_status	indicates the status of the object with respect to any conflicts with the current network configuration.	No
a_endpoint	refers to the “a” endpoint entity. This should be the same as the “a” endpoint of one of the composite’s subordinate CIRCUITS. For a simple FR/ATM gateway service, a_endpoint references the endpoint at the FRUNI end of the FR DLCI. For a FR DLCI with backups, the a_endpoint is the master DLCI.	Yes
z_endpoint	refers to the “z” endpoint entity. This should be consistent with the “z” endpoint of one of the composite’s subordinate CIRCUITS. For a simple FR/ATM gateway service, this is the endpoint at the ATMIF end of the FR/ATM circuit. For a FR DLCI with backups, the z_endpoint is the primary slave DLCI. Alternatively, the z_endpoint reference is never blank.	Yes
(Sheet 2 of 2)		

ADMIN_SITES

The ADMIN_SITES entity represents the customer’s physical location where IP Access is implemented. For a description of attributes, see the table “ADMIN_SITES attributes” (page 32).

Table 12
ADMIN_SITES attributes

Attribute	Description	Optional
id	a unique, system-generated identifier that identifies the ADMIN_SITES entity	
name	the name of the site	No
customer_id	indicates the customer that owns the site	No
site_of_origin_2547	the 2547-specific site of original code that identifies the customer site. Currently this attribute is not used by any application.	Yes
max_routes	the maximum number of routes which this site may inject into the provider edge network. Currently this attribute is not used by any application.	Yes
allows_extranet	indicates whether this site permits extranet access	No
discovery_timestamp	indicates the timestamp of the last update of the object, either by service discovery or another application. The timestamp is the time when the provisioning actions were activated by the service provisioning tool, or when circuit discovery created the circuit.	No
discovery_status	indicates the status of the object with respect to any conflicts with the current network configuration.	No
description	a free-form text field for descriptive information of the circuit or for annotations	Yes

ADMIN_IP_ACCESS_POINTS

The ADMIN_IP_ACCESS_POINTS entity represents the customer's IP Access Point in the IP Access service. For a description of attributes, see the table "ADMIN_IP_ACCESS_POINTS attributes" (page 33).

Table 13
ADMIN_IP_ACCESS_POINTS attributes

Attribute	Description	Optional
id	a unique, system-generated identifier that identifies the ADMIN_IP_ACCESS_POINTS entity	
name	the name of the IP Access point	No
site_id	the ID of the customer site at which the access point provides access to the VPN	Yes
seq_in_site	implements ordering of access points in a site	Yes
ip_logical_interface_id	the ID of the IP logical interface that is implementing the VPN access on the network side	No
access_type	stores the access type	No
description	a free-form text field for descriptive information of the IP Access point or for annotations	Yes
discovery_timestamp	indicates the timestamp of the last update of the object, either by service discovery or another application. The timestamp is the time when the provisioning actions were activated by the service provisioning tool, or when circuit discovery created the circuit.	No
discovery_status	indicates the status of the object with respect to any conflicts with the current network configuration.	No
description	a free-form text field for descriptive information of the circuit or for annotations	Yes

IP VPN model tables

The IP VPN model consists of information about entities that support Passport IP VPNs, conforming to RFC.2764 and RFC.2547 and direct VR-VR VPN specifications. The IP VPN model contains the following entities:

- “ADMIN_PROVIDER_EDGE_NETWORKS” (page 34)
- “ADMIN_VIRTUAL_PRIVATE_NETWORKS” (page 35)
- “ADMIN_VPN_PRIV_ADDR_POOLS” (page 36)
- “ADMIN_CR_PUB_ADDR_POOLS” (page 37)

- “ADMIN_ROUTE_TARGETS” (page 37)
- “ADMIN_VRF_RT_USAGES” (page 38)
- “ADMIN_VPN_RT_USAGES” (page 39)
- “ADMIN_VPN_MEMBERSHIPS” (page 40)

The following entity is used only for the VPN Monitor tool:

- “ADMIN_VPNMON_SERVICE_UIDS” (page 40)

ADMIN_PROVIDER_EDGE_NETWORKS

The ADMIN_PROVIDER_EDGE_NETWORKS entity represents the IP connectivity between Core Routers on the network edge. For a description of attributes, see the table “ADMIN_PROVIDER_EDGE_NETWORKS attributes” (page 34).

Table 14
ADMIN_PROVIDER_EDGE_NETWORKS attributes

Attribute	Description	Optional
id	a unique, system-generated identifier that identifies the ADMIN_PROVIDER_EDGE_NETWORKS entity	
name	the name of the provider edge network	No
pe_network_type	the type of VPN that is implemented on this provider edge network	No
is_internet_enabled	indicates whether the provider edge network provides access to the internet. Currently, this attribute is not used by any applications.	No
asn	the autonomous system number (ASN) of the network. All core routers in a provider edge network must have the same ASN	Yes
peering_topology	specifies the peering topology of the network. This attribute applies to both 2764 (VCG-based) and 2547 networks.	No
discovery_timestamp	indicates the timestamp of the last update of the object, either by service discovery or another application. The timestamp is the time when the provisioning actions were activated by the service provisioning tool.	No
(Sheet 1 of 2)		

Table 14
ADMIN_PROVIDER_EDGE_NETWORKS attributes (Continued)

Attribute	Description	Optional
discovery_status	indicates the status of the object with respect to any conflicts with the current network configuration.	No
description	a free-form text field for descriptive information of the provider edge network or for annotations	Yes
(Sheet 2 of 2)		

ADMIN_VIRTUAL_PRIVATE_NETWORKS

The ADMIN_VIRTUAL_PRIVATE_NETWORKS entity represents the VPNs that are implemented on a Provider Edge Network. For a description of attributes, see the table “ADMIN_VIRTUAL_PRIVATE_NETWORKS attributes” (page 35).

Table 15
ADMIN_VIRTUAL_PRIVATE_NETWORKS attributes

Attribute	Description	Optional
id	a unique, system-generated identifier that identifies the ADMIN_IP_VIRTUAL_PRIVATE_NETWORKS entity	
name	the name of the VPN	No
vpn_type	the type of VPN	No
vpn_id	refers to the standards compliant 2764 VPN identifier. This number is NULL for 2547 VPNs.	Yes
customer_id	refers to the customer who owns the VPN	No
pe_network_id	refers to the provider edge network which implements VPN	Yes
asn_2764	the 2764 autonomous system number (ASN). This number is NULL for 2547 VPNs.	Yes
is_2764_mbgp_enabled	indicates whether the VPN implements 2764 Multiprotocol Border Gateway Protocol (MBG)	Yes
max_access_points	the maximum number of IP Access Points that may be configured to provide access to the VPN	Yes
(Sheet 1 of 2)		

Table 15
ADMIN_VIRTUAL_PRIVATE_NETWORKS attributes (Continued)

Attribute	Description	Optional
role_definitions	defines the possible roles that individual VRFs can implement in the VPN. It also defines the limitations on the number of VRFs that can implemented in each role. This attribute is currently not used by any application.	Yes
discovery_timestamp	indicates the timestamp of the last update of the object, either by service discovery or another application. The timestamp is the time when the provisioning actions were activated by the service provisioning tool, or when VPN discovery created the circuit.	No
discovery_status	indicates the status of the object with respect to any conflicts with the current network configuration.	No
description	a free-form text field for descriptive information of the IP VPN or for annotations	Yes
(Sheet 2 of 2)		

ADMIN_VPN_PRIV_ADDR_POOLS

The ADMIN_VPN_PRIV_ADDR_POOLS entity stores private IP addresses allocated to VPNs and VRFs in the network. For a description of attributes, see the table “ADMIN_VPN_PRIV_ADDR_POOLS attributes” (page 36).

Table 16
ADMIN_VPN_PRIV_ADDR_POOLS attributes

Attribute	Description	Optional
id	a unique, system-generated identifier that identifies the ADMIN_VPN_PRIV_ADDR_POOLS entity	
vpn_id	refers to the VPN that owns the address pool	No
ip_address	the value of the IP address	No
ip_address_mask	the mask of the address pool	No
vrf_id	the VRF to which an address pool is assigned. This attribute is only used to reference a VRF when the parent pool id specifies a higher level address pool.	Yes
(Sheet 1 of 2)		

Table 16
ADMIN_VPN_PRIV_ADDR_POOLS attributes (Continued)

Attribute	Description	Optional
parent_id	the parent address pool of which this entity is a part	Yes
description	a free-form text field for descriptive information of the address pool or for annotations	Yes
(Sheet 2 of 2)		

ADMIN_CR_PUB_ADDR_POOLS

The ADMIN_CR_PUB_ADDR_POOLS is used by applications to manage the public IP addresses assigned to Core Routers in the network. The applications can allocate new addresses from the appropriate subnet ranges or pools. For a description of attributes, see the table “ADMIN_CR_PUB_ADDR_POOLS attributes” (page 37).

Table 17
ADMIN_CR_PUB_ADDR_POOLS attributes

Attribute	Description	Optional
id	a unique, system-generated identifier that identifies the ADMIN_CR_PUB_ADDR_POOLS entity	
ip_core_router_id	refers to the core router that owns the address pool	No
ip_address	the value of the IP address	No
ip_address_mask	the mask of the address pool	No
description	a free-form text field for descriptive information of the address pool or for annotations	Yes

ADMIN_ROUTE_TARGETS

The ADMIN_ROUTE_TARGET entity represents a 2547 Route Target discovered in the network. Route Targets are discovered from the configuration of VRFs in the network; they are not populated from the node. For a description of attributes, see the table “ADMIN_ROUTE_TARGETS attributes” (page 38).

Table 18
ADMIN_ROUTE_TARGETS attributes

Attribute	Description	Optional
id	a unique, system-generated identifier that identifies the ADMIN_ROUTE_TARGETS entity	
route_target	the unique value of the route target	No
customer_id	refers to the customer who owns the route target. This is the primary mechanism which determines the customer ownership of a 2547 VPN.	No
description	a free-form text field for descriptive information of the route target or for annotations	Yes
discovery_timestamp	indicates the timestamp of the last update of the object, either by service discovery or another application. The timestamp is the time when the provisioning actions were activated by the service provisioning tool, or when VPN discovery created the Route Target.	No
discovery_status	indicates the status of the object with respect to any conflicts with the current network configuration.	No

ADMIN_VRF_RT_USAGES

The ADMIN_VRF_RT_USAGES entity represents the relationship between VRFs and Route Targets. In a 2547 VPN, the individual VRFs are configured to import and/or export a defined set of RTs. For a description of attributes, see the table “ADMIN_VRF_RT_USAGES attributes” (page 38).

Table 19
ADMIN_VRF_RT_USAGES attributes

Attribute	Description	Optional
id	a unique, system-generated identifier that identifies the ADMIN_VRF_RT_USAGES entity	
vrf_id	the ID of the VRF participant in the RT usage relationship	No
route_target	the unique value of the route target	No

Table 19
ADMIN_VRF_RT_USAGES attributes

Attribute	Description	Optional
route_target_id	the ID of the Route Target participant in the RT usage relationship	Yes
is_import	indicates whether the VRF imports the associated Route Target	No
is_export	indicates whether the VRF exports the associated Route Target	No
synch_timestamp	a timestamp indicating when the record was last updated. When a record is updated or added by an application, the timestamp is the activation time of the view in which the component was provisioned. When the record is updated by the synchronization phase of the population process, the timestamp is the activation-timestamp of the view from which the component is synchronized.	No
synch_status	indicates the status of a record with respect to the last synchronization event	No

ADMIN_VPN_RT_USAGES

The ADMIN_VPN_RT_USAGES entity implements the relationship between VPNs and route targets. The ADMIN_VPN_RT_USAGES entity is discovered. For a description of attributes, see the table “ADMIN_VPN_RT_USAGES attributes” (page 39).

Table 20
ADMIN_VPN_RT_USAGES attributes

Attribute	Description	Optional
vpn_id	the ID of the VPN associated with the route target	No
route_target_id	the ID of the route target associated with the VPN	No

ADMIN_VPN_MEMBERSHIPS

The ADMIN_VPN_MEMBERSHIPS entity implements the relationship between the VRF (VPN_ROUTING_FUNCTION) and VPN (IP_VIRTUAL_PRIVATE_NETWORK) entities for both 2547 and 2764 VPNs. For a description of attributes, see the table “ADMIN_VPN_MEMBERSHIPS attributes” (page 40).

Table 21
ADMIN_VPN_MEMBERSHIPS attributes

Attribute	Description	Optional
id	a unique, system-generated identifier that identifies the ADMIN_VPN_MEMBERSHIPS entity	
vrf_id	the VRF participant in the membership relationship	No
vpn_id	the VPN participant in the membership relationship	No
vpn_role	the name of the VRF role in the RFC 2547 VPN. For RFC 2547, the VRF can play a different role in the different VPNs of which it is a member. Currently, this attribute is not used.	No
discovery_timestamp	indicates the timestamp of the last update of the object, either by service discovery or another application. The timestamp is the time when the provisioning actions were activated by the service provisioning tool, or when VPN discovery created or modified the VPN.	No
discovery_status	indicates the status of the object with respect to any conflicts with the current network configuration.	No

ADMIN_VPNMON_SERVICE_UIDS

The ADMIN_VPNMON_SERVICE_UIDS entity represents the identifier for services in the VPN Monitor system. For a description of attributes, see the table “ADMIN_VPNMON_SERVICE_UIDS attributes” (page 41).

Table 22
ADMIN_VPNMON_SERVICE_UIDS attributes

Attribute	Description	Optional
vpn_monitor_uid	identifies the entity	No
admin_table_name	identifies the table where the corresponding Administration Database object is stored	No
admin_object_id	the ID of the corresponding Administration Database object that is stored in the table identified by admin_table_name	No

Switch-mastered model tables

The switch-mastered model consists of information about entities that are populated and synchronized from the network. Service provisioning tools can also insert or modify objects as required by activation. For example, this occurs when circuit endpoints or service interfaces do not already exist in the database. The switch-mastered model consists of the following four submodels and their entities:

- Network Elements and Interfaces
 - “ADMIN_DEVICES” (page 42)
 - “ADMIN_FACILITIES” (page 43)
 - “ADMIN_SERVICE_INTERFACES” (page 44)
 - “ADMIN_INTERFACE_ADDRESSES” (page 45)
- Miscellaneous Passport Configuration
 - “ADMIN_PASSPORT_LPS” (page 46)
 - “ADMIN_PASSPORT_LP_USAGES” (page 47)
 - “ADMIN_VIRTUAL_FRAMER_GATEWAYS” (page 49)
- the IP VPN-specific set of related entities consist of:
 - “ADMIN_IP_CORE_ROUTERS” (page 50)
 - “ADMIN_VPN_ROUTING_FUNCTIONS” (page 51)
 - “ADMIN_IP_LOGICAL_INTERFACES” (page 55)

- “ADMIN_IP_MEDIA” (page 56)
- “ADMIN_PTMP_TUNNELS” (page 57)
- “ADMIN_2547_BGP_PEERS” (page 58)
- “ADMIN_IP_VCS” (page 59)
- Component-specific endpoint configuration model contains the following set of related entities
 - “ADMIN_CIRCUIT_ENDPOINTS” (page 61)
 - “ADMIN_PASSPORT_ATM_VCS” (page 61)
 - “ADMIN_PASSPORT_FR_DLCIS” (page 63)
 - “ADMIN_PASSPORT_FRF8_DLCIS” (page 63)

Network Elements and Interfaces-specific switch-mastered model tables

The switch-mastered model tables contains the following entities specific to Network Elements and Interfaces:

- “ADMIN_DEVICES” (page 42)
- “ADMIN_FACILITIES” (page 43)
- “ADMIN_SERVICE_INTERFACES” (page 44)
- “ADMIN_INTERFACE_ADDRESSES” (page 45)

ADMIN_DEVICES

The ADMIN_DEVICES entity represents a device in the network. For a description of attributes, see the table “ADMIN_DEVICES attributes” (page 43).

Table 23
ADMIN_DEVICES attributes

Attribute	Description	Optional
id	a unique, system-generated numerical identifier that identifies the ADMIN_DEVICES entity	
name	the node name must be unique in the network. Passport device names are stored with an EM/ component type prefix.	No
vendor_name	identifies the vendor of the device	No
node_type	optionally describes the type of device	Yes
address_prefix	the value of the ModuleData nodePrefix attribute on a network element that denotes the device's address prefix for ATM NSAP addressing	Yes
synch_timestamp	a timestamp indicating when the record was last updated. When a record is updated or added by an application, the timestamp is the activation time of the view in which the component was provisioned. When the record is updated by the synchronization phase of the population process, the timestamp is the activation timestamp of the view from which the component is synchronized.	No
synch_status	indicates the status of a record with respect to the last synchronization event.	No

ADMIN_FACILITIES

The ADMIN_FACILITIES entity represents a physical interface (facility) in the network. For Passport facilities, this entity represents all the various unchannelized port and port channel components. For a description of attributes, see the table “ADMIN_FACILITIES attributes” (page 44).

Table 24
ADMIN_FACILITIES attributes

Attribute	Description	Optional
id	a system-generated unique identifier for the ADMIN_FACILITIES entity	
name	the component name	No
facility_id	the “facility ID” that identifies the facility for billing and other customer relationship management (CRM) purposes. For Passport facility components, this value is obtained from the component’s commentText attribute.	Yes
device_id	reference to the device on which the facility is implemented	No
interface_id	refers to the service-interface (if any) implemented on this facility	Yes
synch_timestamp	a timestamp indicating when the record was last updated. When a record is updated or added by an application, the timestamp is the activation time of the view in which the component was provisioned. When the record is updated by the synchronization phase of the population process, the timestamp is the activation-timestamp of the view from which the component is synchronized.	No
synch_status	indicates the status of a record with respect to the last synchronization event.	No

ADMIN_SERVICE_INTERFACES

The ADMIN_SERVICES_INTERFACES entity represents an interface in the network. The interface represents any networking protocol and vendor implementation. For a description of attributes, see the table “ADMIN_SERVICE_INTERFACES attributes” (page 45).

Table 25
ADMIN_SERVICE_INTERFACES attributes

Attribute	Description	Optional
id	a unique, system-generated identifier	
name	the name of the interface. For software interfaces on Passport, the name is the full component name excluding the node (for example, AtmIf/1200).	No
interface_type	indicates the type of service interface	No
device_id	refers to the device on which the interface is implemented	No
customer_id	refers to the customer that owns the interface. Every interface has an owner, even if it is the service provider.	No
remote_interface	refers to the interface on the remote end of the link. At most, one interface may be identified as being the remote partner of another.	Yes
remote_interface_label	the value of the network element's AtmIfremoteInterfaceLabel attribute	Yes
synch_timestamp	a timestamp indicating when the record was last updated. When a record is updated or added by an application, the timestamp is the activation time of the view in which the component was provisioned. When the record is updated by the synchronization phase of the population process, the timestamp is the activation-timestamp of the view from which the component is synchronized.	No
synch_status	indicates the status of a record with respect to the last synchronization event	No

ADMIN_INTERFACE_ADDRESSES

The ADMIN_INTERFACE_ADDRESSES entity represents a network address of a service interface. For a description of attributes, see the table “ADMIN_INTERFACE_ADDRESSES attributes” (page 46).

Table 26
ADMIN_INTERFACE_ADDRESSES attributes

Attribute	Description	Optional
id	a unique, system-generated identifier	
address	the address value	No
npv	the Numbering Plan Indicator. For Frame Relay addresses, this is either "x121" or "e164". For ATM addresses, the value is "nsap".	No
interface_id	refers to the service interface for which this is an address	No
is_configured	a Boolean value indicating whether the address is a configured one or an operational/registered address	No
synch_timestamp	a timestamp indicating when the record was last updated. When a record is updated or added by an application, the timestamp is the activation time of the view in which the component was provisioned. When the record is updated by the synchronization phase of the population process, the timestamp is the activation-timestamp of the view from which the component is synchronized.	No
synch_status	indicates the status of a record with respect to the last synchronization event.	No

Miscellaneous Configuration-specific switch-mastered model tables

The switch-mastered model tables contains the following entities specific to Passport configuration:

- "ADMIN_PASSPORT_LPS" (page 46)
- "ADMIN_PASSPORT_LP_USAGES" (page 47)
- "ADMIN_VIRTUAL_FRAMER_GATEWAYS" (page 49)

ADMIN_PASSPORT_LPS

The ADMIN_PASSPORT_LPS entity represents the LogicalProcessor component of the network element. For a description of attributes, see the table "ADMIN_PASSPORT_LPS attributes" (page 47).

Table 27
ADMIN_PASSPORT_LPS attributes

Attribute	Description	Optional
id	a unique, system-generated identifier that identifies the ADMIN_PASSPORT_LPS entity	
device_id	the ID of the device on which the LP is implemented	No
lp_number	the LP instance number of the logical processor	No
main_card	the name of the LP's main card (as a component name)	Yes
spare_card	the name of the LP's spare card (as a component name)	Yes
software_features	the software features enabled for this logical processor	Yes
lp_type	lpt name for this LP	No
synch_timestamp	a timestamp indicating when the record was last updated. When a record is updated or added by an application, the timestamp is the activation time of the view in which the component was provisioned. When the record is updated by the synchronization phase of the population process, the timestamp is the activation-timestamp of the view from which the component is synchronized.	No
synch_status	indicates the status of a record with respect to the last synchronization event	No

ADMIN_PASSPORT_LP_USAGES

The ADMIN_PASSPORT_LP_USAGES entity records the usage of the network element's logical processors by other components. For a description of attributes, see the table "ADMIN_PASSPORT_LP_USAGES attributes" (page 48).

Table 28
ADMIN_PASSPORT_LP_USAGES attributes

Attribute	Description	Optional
id	a unique, system-generated identifier that identifies the ADMIN_PASSPORT_LP_USAGES entity	
device_id	the ID of the device on which the service and the LP is implemented	No
component_name	the name of the component which implements the service	No
lp_number	the instance number of the LP on which the component (identified by the component_name) is implemented. The LPs are named LP/ <i>n</i> where <i>n</i> ranges from 0 to 15. Note that a negative number indicates that the service interface is not directly linked to an LP; it is linked to the LAPS/APS component.	No
synch_timestamp	a timestamp indicating when the record was last updated. When a record is updated or added by an application, the timestamp is the activation time of the view in which the component was provisioned. When the record is updated by the synchronization phase of the population process, the timestamp is the activation-timestamp of the view from which the component is synchronized.	No
synch_status	indicates the status of a record with respect to the last synchronization event	No

ADMIN_VIRTUAL_FRAMER_GATEWAYS

The ADMIN_VIRTUAL_FRAMER_GATEWAYS entity represents a virtual-framer gateway for FrDte or IP-Optimized circuit access to a VPN. For a description of attributes, see the table “ADMIN_VIRTUAL_FRAMER_GATEWAYS attributes” (page 49)

Table 29
ADMIN_VIRTUAL_FRAMER_GATEWAYS attributes

Attribute	Description	Optional
id	a unique, system-generated identifier that identifies the ADMIN_VIRTUAL_FRAMER_GATEWAYS entity	
name	the name of the virtual framer gateway	No
device_id	the ID of the device on which the gateway is implemented	No
vfg_type	the type of gateway indicating its purpose	No
a_interface	the ID of the ‘a’ side interface of the gateway	Yes
z_interface	the ID of the ‘z’ side interface of the gateway	Yes
description	a free-form text field for descriptive information of the gateway or for annotations	Yes
synch_timestamp	a timestamp indicating when the record was last updated. When a record is updated or added by an application, the timestamp is the activation time of the view in which the component was provisioned. When the record is updated by the synchronization phase of the population process, the timestamp is the activation-timestamp of the view from which the component is synchronized.	No
synch_status	indicates the status of a record with respect to the last synchronization event	No

IP VPN-specific switch-mastered model tables

The switch-mastered model tables contains the following IP VPN-specific entities:

- “ADMIN_IP_CORE_ROUTERS” (page 50)
- “ADMIN_VPN_ROUTING_FUNCTIONS” (page 51)

- “ADMIN_IP_LOGICAL_INTERFACES” (page 55)
- “ADMIN_IP_MEDIA” (page 56)
- “ADMIN_PTMP_TUNNELS” (page 57)
- “ADMIN_2547_BGP_PEERS” (page 58)
- “ADMIN_IP_VCS” (page 59)

ADMIN_IP_CORE_ROUTERS

The ADMIN_IP_CORE_ROUTERS entity represents core routers; provider-edge routers and routers not implemented on the network edge. For a description of attributes, see the table “ADMIN_IP_CORE_ROUTERS attributes” (page 50).

Table 30
ADMIN_IP_CORE_ROUTERS attributes

Attribute	Description	Optional
id	a unique, system-generated identifier that identifies the ADMIN_IP_CORE_ROUTERS entity	
name	the name of the core router displayed in the application GUIs	No
device_id	the ID of the device on which the core router is provisioned	No
pe_network_id	the ID of the provider edge network which this core router implements. If this is not an edge router, the value is NULL.	Yes
component_name	the name of the provisioned component	Yes
core_router_type	the type of core router	No
route_reflector	indicates whether the core router is a route reflector. If the core router is a route reflector, then the peering topology of the associated provider edge network should be route reflector.	No
is_mpls_enabled	indicates whether the router is an MPLS label switching router (LSR)	No
ip_address	the IP address of the core router for RFC 2547. This is the address of the primary loopback interface. This attribute is not used for 2764 VCGs.	Yes
(Sheet 1 of 2)		

Table 30
ADMIN_IP_CORE_ROUTERS attributes (Continued)

Attribute	Description	Optional
asn	the autonomous system number (ASN) provisioned for BGP. This attribute is blank if BGP is not provisioned on the core router.	Yes
last_rd_assigned_num	The last system-assigned route distinguisher number for the core router.	Yes
synch_timestamp	a timestamp indicating when the record was last updated. When a record is updated or added by an application, the timestamp is the activation time of the view in which the component was provisioned. When the record is updated by the synchronization phase of the population process, the timestamp is the activation-timestamp of the view from which the component is synchronized.	No
synch_status	indicates the status of a record with respect to the last synchronization event	No
description	a free-form text field for descriptive information of the core router or for annotations	Yes
(Sheet 2 of 2)		

ADMIN_VPN_ROUTING_FUNCTIONS

This entity is extended with two mutually exclusive related entities; “ADMIN_2764_VRFS” (page 53) describes the entity that maintains additional information from VirtualRouters and “ADMIN_2547_VRFS” (page 54) describes the entity that maintains additional information about Router VirtualRouterForwarders.

For a description of attributes, see the table “ADMIN_VPN_ROUTING_FUNCTIONS” (page 52).

Table 31
ADMIN_VPN_ROUTING_FUNCTIONS

Attribute	Description	Optional
id	a unique, system-generated identifier that identifies the ADMIN_VPN_ROUTING_FUNCTIONS entity	
device_id	The ID of the device on which the VRF is provisioned.	No
name	the name of the VPN routing function which is displayed in the VPN Monitor application	No
core_router_id	the ID of the core router which owns the VRF. This can be blank for Virtual Routers without VCGs.	Yes
component_name	the name of the provisioned component	No
is_internet_enabled	indicates whether the VRF provides access to the Internet. Currently, this attribute is not used by any application.	No
discovery_timestamp	indicates the timestamp of the last update of the object, either by service discovery or another application. The timestamp is the time when the provisioning actions were activated by the service provisioning tool, or when VPN discovery created the VPN.	No
discovery_status	indicates the status of the object with respect to any conflicts with the current network configuration.	No
discovery_issues	a record of the particular issues which cause the discovery_status of the VRF to be suspect. This attribute is not currently used.	No
synch_timestamp	a timestamp indicating when the record was last updated. When a record is updated or added by an application, the timestamp is the activation time of the view in which the component was provisioned. When the record is updated by the synchronization phase of the population process, the timestamp is the activation-timestamp of the view from which the component is synchronized.	No
synch_status	indicates the status of a record with respect to the last synchronization event	No
description	a free-form text field for descriptive information of the VRF or for annotations	Yes

ADMIN_2764_VRFS

The ADMIN_2764_VRFS entity provides additional information for 2764 VPNs that is required by the applications. For a description of attributes, see the table “ADMIN_2764_VRFS” (page 53).

Table 32
ADMIN_2764_VRFS

Attribute	Description	Optional
id	a unique, system-generated identifier that identifies the ADMIN_VPN_ROUTING_FUNCTIONS entity	
vrf_id	the ID of the parent VRF, if it is a customer VR.	Yes
core_router_id	the ID of the core router which owns the VRF, if the VRF is a VCG.	Yes
vpn_id	the standards compliant 2764 VPN ID	Yes
asn_2764	the 2764 autonomous system number (ASN). All VRs in the same 2764 VPN must have the same ASN configured.	Yes
is_aggregation_enabled	indicates whether the VR supports aggregation	No
is_rte_refl_enabled	indicates whether the VR supports 2764 route reflection	No
topology	the topology role of the VR	Yes
core_ipcos_profile_id	the ID of the core-side IP CoS profile provisioned for the 2764	Yes
dflt_access_ipcos_profile_id	the ID of the default access-side IP CoS profile provisioned for the 2764	Yes
mbgp_rtg_pref	the VR's preference for MBGP routing	Yes
mbgp_max_imports	the VR's maximum number of imports for MBGP	Yes
mbgp_max_exports	the VR's maximum number of exports for MBGP	Yes
(Sheet 1 of 2)		

Table 32
ADMIN_2764_VRFS (Continued)

Attribute	Description	Optional
synch_timestamp	a timestamp indicating when the record was last updated. When a record is updated or added by an application, the timestamp is the activation time of the view in which the component was provisioned. When the record is updated by the synchronization phase of the population process, the timestamp is the activation-timestamp of the view from which the component is synchronized.	No
synch_status	indicates the status of a record with respect to the last synchronization event	No
(Sheet 2 of 2)		

ADMIN_2547_VRFS

The ADMIN_2547_VRFS entity provides additional information for 2547 VPNs that is required by the applications. For a description of attributes, see the table “ADMIN_2547_VRFS” (page 54).

Table 33
ADMIN_2547_VRFS

Attribute	Description	Optional
id	this id matches the id of the ADMIN_VPN_ROUTING_FUNCTIONS table	
is_extranet	indicates whether the RFC 2547 VRF is an extranet VRF. A VRF is an extranet VRF if it implements Route Targets owned by different customers.	No
rte_distinguisher	the value of the VRF route distinguisher	Yes

Table 33
ADMIN_2547_VRFS (Continued)

Attribute	Description	Optional
synch_timestamp	a timestamp indicating when the record was last updated. When a record is updated or added by an application, the timestamp is the activation time of the view in which the component was provisioned. When the record is updated by the synchronization phase of the population process, the timestamp is the activation-timestamp of the view from which the component is synchronized.	No
synch_status	indicates the status of a record with respect to the last synchronization event	No

ADMIN_IP_LOGICAL_INTERFACES

The ADMIN_IP_LOGICAL_INTERFACES entity provides customer access to a VRF and connects a CoreRouter into the IP network. This entity is loaded, by the DB Synchronization server, into the database from the VirtualRouter ProtocolPort IpPort LogicalInterface component and the Router Interface component in Passport nodes. For a description of attributes, see the table “ADMIN_IP_LOGICAL_INTERFACES attributes” (page 55)

Table 34
ADMIN_IP_LOGICAL_INTERFACES attributes

Attribute	Description	Optional
id	a unique, system-generated identifier that identifies the ADMIN_IP_LOGICAL_INTERFACES entity	
core_router_id	the ID of the core router to which this is a logical interface.	See note
vrf_id	the ID of the VRF to which this is a logical interface	See note
Note: Either core_router_id or vrf_id is specified, but not both. At least one of these attributes is mandatory.		
component_name	the name of the provisioned component	No
(Sheet 1 of 2)		

Table 34
ADMIN_IP_LOGICAL_INTERFACES attributes (Continued)

Attribute	Description	Optional
ip_medium_id	the ID of the IP medium to which this interface provides access to the VPN (for VRF interfaces) or the IP network (for core router interfaces)	Yes
ip_address	the IP address of the logical interface	No
ip_address_mask	the IP subnet mask of the logical interface	No
mpls_interface_type	indicates the MPLS label-distribution protocol implemented on the interface	Yes
synch_timestamp	a timestamp indicating when the record was last updated. When a record is updated or added by an application, the timestamp is the activation time of the view in which the component was provisioned. When the record is updated by the synchronization phase of the population process, the timestamp is the activation-timestamp of the view from which the component is synchronized.	No
synch_status	indicates the status of a record with respect to the last synchronization event	No
(Sheet 2 of 2)		

ADMIN_IP_MEDIA

The ADMIN_IP_MEDIA entity provides the link between circuit or non-circuit access methods and an IP Logical Interface. For a description of attributes, see the table “ADMIN_IP_MEDIA” (page 56).

Table 35
ADMIN_IP_MEDIA

Attribute	Description	Optional
id	a unique, system-generated identifier that identifies the ADMIN_IP_MEDIA entity	
core_router_id	the ID of the core router with which the IP medium is associated.	See note
vrf_id	the ID of the VRF with which the IP medium is associated.	See note
(Sheet 1 of 2)		

Table 35
ADMIN_IP_MEDIA (Continued)

Attribute	Description	Optional
Note: Either core_router_id or vrf_id is specified, but not both. At least one of these attributes is mandatory.		
component_name	the name of the provisioned component	No
ipcos	the IP CoS key for the IP medium. This only applies to the PPP, LAN and ENET media.	Yes
ipcos_profile_comp_name	the name of the associated IP CoS profile component name.	Yes
protocol_port	the name of the linked VirtualRouter ProtocolPort component. This is the verbatim value of the linkToProtocolPort attribute of the component. This attribute is blank for RFC 2547 VPN media because the protocol port does not exist in this model.	Yes
vm_if_mode	the value of the mode attribute. This only applies to the VirtualMedia Interface component type (RFC 2764 VPN) and the Loopback component (RFC 2547 VPN) of a Router or Router VirtualRouterForwarder.	Yes
linkedif	if the medium directly links to the service interface, this field will store the service interface name.	Yes
synch_timestamp	a timestamp indicating when the record was last updated. When a record is updated or added by an application, the timestamp is the activation time of the view in which the component was provisioned. When the record is updated by the synchronization phase of the population process, the timestamp is the activation-timestamp of the view from which the component is synchronized.	No
synch_status	indicates the status of a record with respect to the last synchronization event	No
(Sheet 2 of 2)		

ADMIN_PTMP_TUNNELS

The ADMIN_PTMP_TUNNELS entity represents the VrIP Tunnel component on Passport for 2764. For a description of attributes, see the table “ADMIN_PTMP_TUNNELS attributes” (page 58).

Table 36
ADMIN_PTMP_TUNNELS attributes

Attribute	Description	Optional
id	a unique, system-generated identifier that identifies the ADMIN_PTMP_TUNNELS entity	
core_router_lo_id	the ID of the public logical interface at the other end of the tunnel	Yes
vrf_lo_id	the ID of the private logical interface at one end of the tunnel	Yes
component_name	the name of the provisioned component	Yes
is_autodiscovery_enabled	indicates whether auto-discovery is enabled for the tunnel	No
source_ip_address	the source IP address of the tunnel	Yes
synch_timestamp	a timestamp indicating when the record was last updated. When a record is updated or added by an application, the timestamp is the activation time of the view in which the component was provisioned. When the record is updated by the synchronization phase of the population process, the timestamp is the activation-timestamp of the view from which the component is synchronized.	No
synch_status	indicates the status of a record with respect to the last synchronization event	No

ADMIN_2547_BGP_PEERS

The ADMIN_2547_BGP_PEERS entity represents the BGP peering relationship between provider-edge routers in an RFC 2547 Provider Edge Network. For a description of attributes, see the table “ADMIN_2547_BGP_PEERS” (page 59).

Table 37
ADMIN_2547_BGP_PEERS

Attribute	Description	Optional
id	a unique, system-generated identifier that identifies the 2547_BGP_PEERS entity	
core_router_id	the ID of the core router that implements the peer configuration	No
peer_address	the IP address of another router which is a peer of the router identified by the core_router_id attribute.	No
synch_timestamp	a timestamp indicating when the record was last updated. When a record is updated or added by an application, the timestamp is the activation time of the view in which the component was provisioned. When the record is updated by the synchronization phase of the population process, the timestamp is the activation-timestamp of the view from which the component is synchronized.	No
synch_status	indicates the status of a record with respect to the last synchronization event	No

ADMIN_IP_VCS

The ADMIN_IP_VCS entity represents the IP Access of the services. For a description of attributes, see the table “ADMIN_IP_VCS attributes” (page 59).

Note: This entity cannot be used independently from the CIRCUIT_ENDPOINTS entity. For more information, see “ADMIN_CIRCUIT_ENDPOINTS” (page 61).

Table 38
ADMIN_IP_VCS attributes

Attribute	Description	Optional
id	this id matches the id of the master table	
ip_medium_id	the ID of the IP medium through which the connection accessed a VPN	Yes

Table 38
ADMIN_IP_VCS attributes (Continued)

Attribute	Description	Optional
ip_logical_interface_id	the ID of the particular logical interface through which the connection accessed the VPN if this is provisioned	Yes
ipcos	the IP CoS key for the access circuit	Yes
synch_timestamp	a timestamp indicating when the record was last updated. When a record is updated or added by an application, the timestamp is the activation time of the view in which the component was provisioned. When the record is updated by the synchronization phase of the population process, the timestamp is the activation-timestamp of the view from which the component is synchronized.	No
synch_status	indicates the status of a record with respect to the last synchronization event	No

Node-specific endpoint switch-mastered model tables

The node-specific endpoint model describes a persistent cache of node endpoint configuration data that is maintained for convenience. This model stores node configuration attributes in the service entities that do not relate directly to the structure of the service. The purpose of the model is to

- index node attributes that are search criteria or display attributes in the tools
- support a two-stage synchronization and discovery process
- separate node-specific data from non-node-specific data in the switch mastered data model

The customer model contains the ADMIN_CIRCUIT-ENDPOINTS entity plus the following service-specific entities:

- “ADMIN_PASSPORT_ATM_VCS attributes” (page 62)
- “ADMIN_PASSPORT_FR_DLCIS attributes” (page 63)
- “ADMIN_PASSPORT_FRF8_DLCIS attributes” (page 64)

ADMIN_CIRCUIT_ENDPOINTS

The ADMIN_CIRCUIT_ENDPOINTS entity represents a connection component on the node. The service-specific entities provide additional information about CIRCUIT_ENDPOINT.

Table 39
ADMIN_CIRCUIT_ENDPOINTS attributes

Attributes	Description	Optional
id	a unique, system-generated identifier that identifies the ADMIN_CIRCUIT_ENDPOINTS entity	
node_name	the name of the node on which the endpoint is configured. The combination of this attribute and instance_name is unique.	No
instance_name	the name of the endpoint instance (for example, Atmlf/100 Vcc/0.35) on the node. The combination of this attribute and the node_name is unique.	No
correlation_tag	refers to the on-switch correlationTag attribute (for those connections which support it)	Yes
synch_timestamp	a timestamp indicating when the record was last updated. When a record is updated or added by an application, the timestamp is the activation time of the view in which the component was provisioned. When the record is updated by the synchronization phase of the population process, the timestamp is the activation-timestamp of the view from which the component is synchronized.	No
synch_status	indicates the status of a record with respect to the last synchronization event	No

ADMIN_PASSPORT_ATM_VCS

The ADMIN_PASSPORT_ATM_VCS entity represents an ATM Vcc or Vpc component on a Passport node. For a description of attributes, see the table “ADMIN_PASSPORT_ATM_VCS attributes” (page 62).

Table 40
ADMIN_PASSPORT_ATM_VCS attributes

Attribute	Description	Optional
id	this ID matches the ID of the master table	
next_hop	refers, for nailed-up Vcs, to the cross-connected Vc (from the Vcc Nrp or Vpc Nrp)	Yes
application_name	refers, for circuit terminations, to the terminating application (from the Vcc Nep). It also indicates the linked Atm PF Vec Nep for AtmMpe Acs.	Yes
called_address	the NSAP of the called end of the circuit, for SPVCs and SPVPs (from the Vcc Src, Vpc Src or AtmMpe Ae SrePve)	Yes
called_conn_id	the connection identifier of the called end, for SPVCs and SPVPs (from the Vcc Src calledVpiVci, Vpc Src calledVpi or AtmMpe Ae SrePve)	Yes
admin_control	the provisioned admin state, for SPVCs and SPVPs (from the Vcc Src or Vpc Src)	Yes
ais_generation	the flag to enable AIS signals, for SPVCs and SPVPs (from the Vcc Src, Vpc Src, Vcc Dst Config, or Vpc Dst Config)	Yes
primary_dtl	Manual DTL attributes for SPVCs and SPVPs (from the Vcc Src Mdtl and Vpc Src Mdtl)	Yes
alternative_dtl	Manual DTL attributes for SPVCs and SPVPs (from the Vcc Src Mdtl and Vpc Src Mdtl)	Yes
automatic_fallback	Manual DTL attributes for SPVCs and SPVPs (from the Vcc Src Mdtl and Vpc Src Mdtl)	Yes
synch_timestamp	a timestamp indicating when the record was last updated. When a record is updated or added by an application, the timestamp is the activation time of the view in which the component was provisioned. When the record is updated by the synchronization phase of the population process, the timestamp is the activation-timestamp of the view from which the component is synchronized.	No
synch_status	indicates the status of a record with respect to the last synchronization event	No

ADMIN_PASSPORT_FR_DLCIS

The ADMIN_PASSPORT_FR_DLCIS entity represents FR connections on a Passport node. For a description of attributes, see the table “ADMIN_PASSPORT_FR_DLCIS attributes” (page 63).

Table 41
ADMIN_PASSPORT_FR_DLCIS attributes

Attribute	Description	Optional
id	this ID matches the ID of the master table	
dlci_type	the master/slave/backup/spvc type of the DlcI from the type attribute of FRUni/FrNni DlcI Dc component. The values for FrDte StDlcI, FrUni DlcI IPConn and IP DlcI Grp Frc values are hard coded as Static IpOpt and FrConn respectively.	Yes
remote_dna	the DNA of the remote endpoint (from the DlcI Dc)	Yes
remote_npi	the NPI of the remote endpoint (from the DlcI Dc)	Yes
remote_dlcI	the DLCI number of the remote endpoint (from the DlcI Dc)	No
ipopt_frconn_id	the ID of the linked component. This is a cross reference between the DlcI and Frc components which are linked on Passport nodes. For records representing a DlcI, this attribute is the ID of the linked Frc component; for records representing an Frc, this attribute is the ID of the linked DlcI.	Yes
synch_timestamp	a timestamp indicating when the record was last updated. When a record is updated or added by an application, the timestamp is the activation time of the view in which the component was provisioned. When the record is updated by the synchronization phase of the population process, the timestamp is the activation-timestamp of the view from which the component is synchronized.	No
synch_status	indicates the status of a record with respect to the last synchronization event	No

ADMIN_PASSPORT_FRF8_DLCIS

The ADMIN_PASSPORT_FRF8_DLCIS entity represents a FR/ATM FRF.8 (service interworking) DlcI component on a Passport node. This entity combines NPVC and SPVC types. For a description of attributes, see the table “ADMIN_PASSPORT_FRF8_DLCIS attributes” (page 64).

Table 42
ADMIN_PASSPORT_FRF8_DLCIS attributes

Attribute	Description	Optional
id	this ID matches the ID of the master table	
atm_connection	cross-connect to an ATM Vcc, for FRF.8 NPVC (from the Dlc Siwf Npvc)	Yes
remote_address	the address of the remote endpoint. for FRF.8 SPVC (from the Dlc Siwf Spvc)	Yes
remote_connection_id	the connection ID of the remote endpoint (from the Dlc Siwf Spvc)	Yes
synch_timestamp	a timestamp indicating when the record was last updated. When a record is updated or added by an application, the timestamp is the activation time of the view in which the component was provisioned. When the record is updated by the synchronization phase of the population process, the timestamp is the activation-timestamp of the view from which the component is synchronized.	No
synch_status	indicates the status of a record with respect to the last synchronization event	No

Chapter 2

Administration Database Schema

The database schema contains the following objects:

- “ADMIN_SCHEMA_VERSION” (page 67)
- “ADMIN_COMPONENT_MAPPINGS” (page 67)
- “ADMIN_ATTRIBUTE_MAPPINGS” (page 67)
- “ADMIN_NODE_VIEW” (page 68)
- “ADMIN_NODE_HISTORY” (page 68)
- “ADMIN_CUSTOMERS” (page 69)
- “ADMIN_CONTACTS” (page 69)
- “ADMIN_TM_PROFILES” (page 70)
- “ADMIN_CIRCUITS” (page 71)
- “ADMIN_NPVC_HOPS” (page 72)
- “ADMIN_COMPOSITE_CIRCUITS” (page 73)
- “ADMIN_SITES” (page 74)
- “ADMIN_IP_ACCESS_POINTS” (page 74)
- “ADMIN_VIRTUAL_PRIVATE_NETWORKS” (page 75)
- “ADMIN_VPN_PRIV_ADDR_POOLS” (page 76)
- “ADMIN_CR_PUB_ADDR_POOLS” (page 76)
- “ADMIN_PROVIDER_EDGE_NETWORKS” (page 77)

- “ADMIN_ROUTE_TARGETS” (page 77)
- “ADMIN_VRF_RT_USAGES” (page 78)
- “ADMIN_VPN_RT_USAGES” (page 78)
- “ADMIN_VPN_MEMBERSHIPS” (page 78)
- “ADMIN_VPNMON_SERVICE_UIDS” (page 79)
- “ADMIN_DEVICES” (page 79)
- “ADMIN_FACILITIES” (page 80)
- “ADMIN_SERVICE_INTERFACES” (page 80)
- “ADMIN_INTERFACE_ADDRESSES” (page 81)
- “ADMIN_PASSPORT_LPS” (page 81)
- “ADMIN_PASSPORT_LP_USAGES” (page 82)
- “ADMIN_VIRTUAL_FRAMER_GATEWAYS” (page 82)
- “ADMIN_IP_CORE_ROUTERS” (page 83)
- “ADMIN_VPN_ROUTING_FUNCTIONS” (page 84)
- “ADMIN_IP_LOGICAL_INTERFACES” (page 84)
- “ADMIN_IP_MEDIA” (page 85)
- “ADMIN_PTMP_TUNNELS” (page 86)
- “ADMIN_2547_BGP_PEERS” (page 86)
- “ADMIN_2764_VRFS” (page 87)
- “ADMIN_2547_VRFS” (page 88)
- “ADMIN_IP_VCS” (page 88)
- “ADMIN_CIRCUIT_ENDPOINTS” (page 88)
- “ADMIN_PASSPORT_ATM_VCS” (page 89)
- “ADMIN_PASSPORT_FR_DLCIS” (page 90)
- “ADMIN_PASSPORT_FRF8_DLCIS” (page 90)
- “Other schema objects” (page 91)

ADMIN_SCHEMA_VERSION

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL PRIMARY KEY,
ver_no	VARCHAR2(8)	NOT NULL,
vendor_name	VARCHAR2(32)	NOT NULL,
migrated_from	VARCHAR2(8)	
mdm_version	VARCHAR2(8)	NOT NULL

ADMIN_COMPONENT_MAPPINGS

Column Name	Data Type	Value
comp_path	VARCHAR2(255)	NOT NULL
table_name	VARCHAR2(30)	NOT NULL
attribute_mapping_id	NUMBER(10)	NULL if no attributes need to be mapped

ADMIN_ATTRIBUTE_MAPPINGS

Column Name	Data Type	Value
attribute_mapping_id	NUMBER(10)	NOT NULL
attr_name	VARCHAR2(240)	NOT NULL
col_tab_name	VARCHAR2(30)	NOT NULL
comp_path	VARCHAR2(255)	

ADMIN_NODE_VIEW

Column Name	Data Type	Value
node_name	VARCHAR2(16)	NOT NULL PRIMARY KEY,
last_activation_timestamp	DATE	
last_activation_tag	NUMBER(5)	
last_view_name	VARCHAR2(80)	
last_journal_number	NUMBER(18)	
last_view_timestamp	DATE	
last_journal_timestamp	DATE	NULL if last file loaded is view file
discovery_status	VARCHAR2(16)	NOT DISCOVERED, SUCCESS, FAILED

ADMIN_NODE_HISTORY

Column Name	Data Type	Value
node_name	VARCHAR2(16)	NOT NULL,
load_seq	NUMBER(18)	NOT NULL,
view_name	VARCHAR2(80)	
journal_number	NUMBER(18)	
activation_timestamp	DATE	
activation_tag	NUMBER(5)	
load_status	VARCHAR2(16)	
load_timestamp	DATE	
dbsync_id	VARCHAR2(60)	
view_timestamp	DATE	
journal_timestamp	DATE	NULL if a view file is loaded
error_details	VARCHAR2(2000)	

ADMIN_CUSTOMERS

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL PRIMARY KEY,
name	VARCHAR2(128)	NOT NULL,
is_default	CHAR(1)	N, Y
is_service_provider	CHAR(1)	N, Y
isp_asn	NUMBER(5)	0 - 65535
last_rt_assigned_num	NUMBER(5)	
business_category	VARCHAR2(128),	
country	VARCHAR2(32),	
state_or_province	VARCHAR2(32),	
city	VARCHAR2(32),	
street	VARCHAR2(60),	
postal_code	VARCHAR2(32),	
registered_address	VARCHAR2(240),	
telephone_number	VARCHAR2(24),	
fax_number	VARCHAR2(24),	
email	VARCHAR2(64),	
description	VARCHAR2(2000)	

ADMIN_CONTACTS

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL PRIMARY KEY,
customer_id	NUMBER(18)	NOT NULL references ADMIN_CUSTOMERS
last_name	VARCHAR2(32)	NOT NULL,
first_name	VARCHAR2(32)	NOT NULL,
(Sheet 1 of 2)		

Column Name	Data Type	Value
title	VARCHAR2(32)	
country	VARCHAR2(32)	
state_or_province	VARCHAR2(32)	
city	VARCHAR2(32)	
street	VARCHAR2(60)	
postal_code	VARCHAR2(32)	
registered_address	VARCHAR2(240)	
telephone_number	VARCHAR2(24)	
fax_number	VARCHAR2(24)	
email	VARCHAR2(64)	
description	VARCHAR2(2000)	
(Sheet 2 of 2)		

ADMIN_TM_PROFILES

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL PRIMARY KEY,
name	VARCHAR2(60)	NOT NULL,
version_number	NUMBER(10)	NOT NULL,
creation_date	DATE	NOT NULL,
description	VARCHAR2(2000)	
tm_profile_type	VARCHAR2(16)	ATM,FR,IP,UNKNOWN
provisioned_name	VARCHAR2(20)	INSTANCE NAME
profile_def	VARCHAR2(4000)	XML

ADMIN_CIRCUITS

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL PRIMARY KEY,
name	VARCHAR2(128)	NOT NULL,
service_type	VARCHAR2(8)	NOT NULL,
circuit_type	VARCHAR2(24)	NOT NULL,
customer_id	NUMBER(18)	NOT NULL references ADMIN_CUSTOMERS
a_interface	NUMBER(18),	references ADMIN_SERVICE_INTERFA CES
a_connection	VARCHAR2(20),	
a_endpoint	NUMBER(18),	references ADMIN_CIRCUIT_ENDPOIN TS
a_tm_profile	NUMBER(18),	references ADMIN_TM_PROFILES
z_interface	NUMBER(18),	references ADMIN_SERVICE_INTERFA CES
z_connection	VARCHAR2(20),	
z_endpoint	NUMBER(18),	references ADMIN_CIRCUIT_ENDPOIN TS
z_tm_profile	NUMBER(18),	references ADMIN_TM_PROFILES
current_hop_version_number	NUMBER(10)	DEFAULT 0 NOT NULL,
description	VARCHAR2(2000),	
composite_id	NUMBER(18),	references ADMIN_COMPOSITE CIRCUITS
(Sheet 1 of 2)		

Column Name	Data Type	Value
access_point_id	NUMBER(18)	references ADMIN_IP_ACCESS_POINTS
seq_in_composite	NUMBER(10),	
discovery_timestamp	DATE	NOT NULL,
discovery_status	CHAR(1)	N= normal O=obsolete
(Sheet 2 of 2)		

ADMIN_NPVC_HOPS

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL PRIMARY KEY,
circuit_id	NUMBER(18)	references ADMIN_CIRCUITS
sequence_number	NUMBER(10)	NOT NULL, if order cannot be determined, value is 0
version_number	NUMBER(10)	0, currently not used
a_interface	NUMBER(18)	NOT NULL, references ADMIN_SERVICE_INTERFACES
a_connection	VARCHAR2(20)	NOT NULL,
a_endpoint	NUMBER(18),	references ADMIN_CIRCUITS_ENDPOINTS
a_tm_profile	NUMBER(18),	references ADMIN_TM_PROFILES
z_interface	NUMBER(18)	NOT NULL references ADMIN_SERVICE_INTERFACES
z_connection	VARCHAR2(20)	NOT NULL,
(Sheet 1 of 2)		

Column Name	Data Type	Value
z_endpoint	NUMBER(18),	references ADMIN_CIRCUIT_ENDPOIN TS
z_tm_profile	NUMBER(18),	references ADMIN_TM_PROFILES
discovery_timestamp	DATE	NOT NULL,
discovery_status	CHAR(1)	NOT NULL,
(Sheet 2 of 2)		

ADMIN_COMPOSITE_CIRCUITS

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL references ADMIN_CUSTOMERS
name	VARCHAR2 (128)	NOT NULL,
service_type	VARCHAR2 (24)	FR with Backups, FR IP VPN Access
circuit_type	VARCHAR2(24)	FR with backups, FR IP VPN access
customer_id	NUMBER (18)	NOT NULL,
parent_id	NUMBER (18)	references ADMIN_COMPOSITE_CIRC UITS
access_point_id	NUMBER(18)	references ADMIN_IP_ACCESS_POINT S
seq_in_parent	NUMBER (10)	
description	VARCHAR2 (2000)	
discovery_timestamp	DATE	NOT NULL
discovery_status	CHAR(1)	N= normal, C= complete O= obsolete
(Sheet 1 of 2)		

Column Name	Data Type	Value
a_endpoint	NUMBER (18)	references ADMIN_CIRCUIT_ENDPOIN TS
z_endpoint	NUMBER (18)	references ADMIN_CIRCUIT_ENDPOIN TS
(Sheet 2 of 2)		

ADMIN_SITES

Column Name	Data Type	Value
id	NUMBER(18)	
name	VARCHAR2 (128)	NOT NULL,
customer_id	NUMBER (18)	NOT NULL, references ADMIN_CUSTOMERS
site_of_origin_2547	VARCHAR2(128)	0 - 128
max_routes	NUMBER(5)	0 - 2 ³¹ -1
allows_extranet	CHAR(1)	NOT NULL
discovery_timestamp	DATE	NOT NULL
discovery_status	CHAR(1)	N= normal, C= complete O= obsolete
description	VARCHAR2 (2000)	

ADMIN_IP_ACCESS_POINTS

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL
name	VARCHAR2(128)	NOT NULL
(Sheet 1 of 2)		

Column Name	Data Type	Value
site_id	NUMBER(18)	NOT NULL, references ADMIN_SITES
seq_in_site	NUMBER(10)	NOT NULL
ip_logical_interface_id	NUMBER(18)	NOT NULL, references ADMIN_IP_LOGICAL_INTERFACES
access_type	VARCHAR2(16)	NOT NULL
discovery_timestamp	DATE	NOT NULL
discovery_status	CHAR(1)	N= normal, C= complete O= obsolete
description	VARCHAR2(2000)	
(Sheet 2 of 2)		

ADMIN_VIRTUAL_PRIVATE_NETWORKS

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL
name	VARCHAR2(60)	NOT NULL
vpn_type	VARCHAR2(12)	2764,2764 Static, Direct, 2547
vpn_id	VARCHAR2(20)	7 octets separated by dashes
customer_id	VARCHAR2(18)	NOT NULL, references ADMIN_CUSTOMERS
pe_network_id	VARCHAR2(18)	NOT NULL, references ADMIN_PROVIDER_EDGE_NETWORKS
asn_2764	NUMBER(5)	0- 65535
is_	CHAR(1)	N,Y
2764_mbgp_enabled		
max_access_points	NUMBER(5)	0- 65535
(Sheet 1 of 2)		

Column Name	Data Type	Value
role_definitions	VARCHAR2(2000)	XML
discovery_timestamp	DATE	NOT NULL
discovery_status	CHAR(1)	N= normal O= obsolete
description	VARCHAR2(2000)	
(Sheet 2 of 2)		

ADMIN_VPN_PRIV_ADDR_POOLS

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL
vpn_id	NUMBER(18)	NOT NULL, references ADMIN_VIRTUAL_PRIVATE_NETWORKS
ip_address	VARCHAR2(40)	NOT NULL
ip_address_mask	VARCHAR2(40)	NOT NULL
vrf_id	NUMBER(18)	references ADMIN_VPN_ROUTING_FUNCTIONS
parent_id	NUMBER(18)	references ADMIN_VPN_PRIV_ADDR_POOLS
description	VARCHAR2(2000)	

ADMIN_CR_PUB_ADDR_POOLS

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL
ip_core_router_id	NUMBER(18)	NOT NULL, references ADMIN_IP_CORE_ROUTERS
(Sheet 1 of 2)		

Column Name	Data Type	Value
ip_address	VARCHAR2(40)	NOT NULL
ip_address_mask	VARCHAR2(40)	NOT NULL
description	VARCHAR2(2000)	
(Sheet 2 of 2)		

ADMIN_PROVIDER_EDGE_NETWORKS

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL
name	VARCHAR2(60)	NOT NULL
pe_network_type	VARCHAR2(12)	2764,2547
is_internet_enabled	CHAR(1)	N, Y
asn	NUMBER(5)	0 - 65535
peering_topology	VARCHAR2(16)	mesh, route reflector
discovery_timestamp	DATE	N= normal O= obsolete
discovery_status	CHAR(1)	N,S,O
description	VARCHAR2(2000)	

ADMIN_ROUTE_TARGETS

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL
route_target	VARCHAR2(60)	NOT NULL
customer_id	NUMBER(18)	NOT NULL, references ADMIN_CUSTOMERS
description	VARCHAR2(2000)	
discovery_timestamp	DATE	NOT NULL
discovery_status	CHAR(1)	N= normal, O= obsolete

ADMIN_VRF_RT_USAGES

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL, PRIMARY KEY
vrf_id	VARCHAR2(18)	NOT NULL, references ADMIN_VPN_ROUTING_FUNCTIONS
route_target	VARCHAR2(60)	NOT NULL
route_target_id	VARCHAR2(18)	NULL or references ADMIN_ROUTE_TARGETS
is_import	CHAR(1)	NOT NULL, YES or NO
is_export	CHAR(1)	NOT NULL, YES or NO
synch_timestamp	DATE	NOT NULL
synch_status	CHAR(1)	N,A,U,D

ADMIN_VPN_RT_USAGES

Column Name	Data Type	Value
vpn_id	VARCHAR2(18)	NOT NULL, references ADMIN_VIRTUAL_PRIVATE_NETWORKS
route_target_id	VARCHAR2(18)	NOT NULL, references ADMIN_ROUTE_TARGETS

ADMIN_VPN_MEMBERSHIPS

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL
vrf_id	VARCHAR2(18)	NOT NULL, references ADMIN_VPN_ROUTING_FUNCTIONS
(Sheet 1 of 2)		

Column Name	Data Type	Value
vpn_id	VARCHAR2(18)	NOT NULL, references ADMIN_VIRTUAL_PRIVATE_NETWORKS
vpn_role	VARCHAR2(32)	NOT NULL
discovery_timestamp	DATE	NOT NULL
discovery_status	CHAR(1)	N= normal, O= obsolete
(Sheet 2 of 2)		

ADMIN_VPNMON_SERVICE_UIDS

Column Name	Data Type	Value
vpn_monitor_uid	NUMBER(18)	NOT NULL
admin_table_name	VARCHAR2(30)	NOT NULL
admin_object_id	NUMBER(18)	NOT NULL (9.22x10 ¹⁸)

ADMIN_DEVICES

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL PRIMARY KEY,
name	VARCHAR2(32)	NOT NULL,
vendor_name	VARCHAR2(32)	NOT NULL,
node_type	VARCHAR2(32),	
address_prefix	VARCHAR2(60),	
synch_timestamp	DATE	NOT NULL,
synch_status	CHAR(1)	N=normal, A=added by synchronization, U=updated component attribute, D=deleted

ADMIN_FACILITIES

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL PRIMARY KEY,
name	VARCHAR2(60)	NOT NULL,
facility_id	VARCHAR2(128),	
device_id	NUMBER(18)	NOT NULL, references ADMIN_DEVICES
interface_id	NUMBER(18),	references ADMIN_SERVICE_INTERFA CES
synch_timestamp	DATE	NOT NULL,
synch_status	CHAR(1)	N=normal, A=added by synchronization, U=updated component attribute, D=deleted

ADMIN_SERVICE_INTERFACES

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL PRIMARY KEY,
name	VARCHAR2(120)	NOT NULL,
interface_type	VARCHAR2(12)	ATMIF, FRUNI, FRNNI, FRATM, TRK,FRDTE,IPDLCIGRP,AT MMPE, IPODLCI, La
device_id	NUMBER(18)	NOT NULL, references ADMIN_DEVICES
customer_id	NUMBER(18)	NOT NULL, references ADMIN_CUSTOMERS
remote_interface	NUMBER(18),	references ADMIN_SERVICE_INTERFA CES
(Sheet 1 of 2)		

Column Name	Data Type	Value
remote_interface_label	VARCHAR2(60)	
synch_timestamp	DATE	NOT NULL
synch_status	CHAR(1)	NOT NULL
(Sheet 2 of 2)		

ADMIN_INTERFACE_ADDRESSES

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL PRIMARY KEY,
address	VARCHAR2(60)	NOT NULL,
npi	VARCHAR2(4)	NOT NULL,
interface_id	NUMBER(18)	NOT NULL, references ADMIN_SERVICE_INTERFACES
is_configured	CHAR(1)	Y, N
synch_timestamp	DATE	NOT NULL,
synch_status	CHAR(1)	NOT NULL

ADMIN_PASSPORT_LPS

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL
device_id	VARCHAR2(18)	NOT NULL, references ADMIN_DEVICES
lp_number	NUMBER(2)	0-15
main_card	VARCHAR2(60)	
spare_card	VARCHAR2(60)	
software_features	VARCHAR2(512)	
lp_type	VARCHAR2(25)	NOT NULL
(Sheet 1 of 2)		

Column Name	Data Type	Value
synch_timestamp	DATE	NOT NULL
synch_status	CHAR(1)	N,A,U,D
(Sheet 2 of 2)		

ADMIN_PASSPORT_LP_USAGES

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL
device_id	VARCHAR2(18)	NOT NULL, references ADMIN_DEVICES
component_name	VARCHAR2(120)	NOT NULL
lp_number	NUMBER(2)	0-15
synch_timestamp	DATE	NOT NULL
synch_status	CHAR(1)	N,A,U,D

ADMIN_VIRTUAL_FRAMER_GATEWAYS

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL
name	VARCHAR2(60)	NOT NULL
device_id	VARCHAR2(18)	NOT NULL, references ADMIN_DEVICES
vfg_type	VARCHAR2(16)	FrAtm, FrVrAccess, Other
a_interface	VARCHAR2(18)	NOT NULL, references ADMIN_SERVICE_INTERFA CES
z_interface	VARCHAR2(18)	NOT NULL, references ADMIN_SERVICE_INTERFA CES
description	VARCHAR2(2000)	
(Sheet 1 of 2)		

Column Name	Data Type	Value
synch_timestamp	DATE	NOT NULL
synch_status	CHAR(1)	N,A,U,D
(Sheet 2 of 2)		

ADMIN_IP_CORE_ROUTERS

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL
name	VARCHAR2(60)	NOT NULL
device_id	VARCHAR2(18)	NOT NULL, references ADMIN_DEVICES
pe_network_id	VARCHAR2(18)	NULL or references ADMIN_PROVIDER_EDGE_ NETWORKS
component_name	VARCHAR2(120)	NOT NULL
core_router_type	VARCHAR2	2547,2764
route_reflector	CHAR(1)	NOT NULL
is_mpls_enabled	CHAR(1)	Y, N
ip_address	VARCHAR2(40)	
asn	NUMBER(5)	0-65535
last_rd_assigned_num	NUMBER(5)	
synch_timestamp	DATE	NOT NULL
synch_status	CHAR(1)	N,A,U,D
description	VARCHAR2(2000)	

ADMIN_VPN_ROUTING_FUNCTIONS

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL
device_id	NUMBER(18)	NOT NULL
name	VARCHAR2(60)	NOT NULL
core_router_id	VARCHAR2(18)	NULL or references ADMIN_IP_CORE_ROUTERS
component_name	VARCHAR2(120)	NOT NULL
is_internet_enabled	CHAR(1)	Y, N
discovery_timestamp	DATE	NOT NULL
discovery_status	CHAR(1)	N,S,O
discovery_issues	VARCHAR2(2000)	XML
synch_timestamp	DATE	NOT NULL
synch_status	CHAR(1)	N= normal O=obsolete
description	VARCHAR2(2000)	

ADMIN_IP_LOGICAL_INTERFACES

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL
core_router_id	VARCHAR2(18)	references ADMIN_IP_CORE_ROUTERS
vrf_id	VARCHAR2(18)	references ADMIN_VPN_ROUTING_FUNCTIONS (for VRF interfaces)
component_name	VARCHAR2(120)	NOT NULL
ip_medium_id	VARCHAR2(18)	references ADMIN_IP_MEDIA
ip_address	VARCHAR2(40)	NOT NULL
(Sheet 1 of 2)		

Column Name	Data Type	Value
ip_address_mask	VARCHAR2(40)	NOT NULL
mpls_interface_type	VARCHAR2(12)	LDP, RSVP-TE
synch_timestamp	DATE	NOT NULL
synch_status	CHAR(1)	N,A,U,D
(Sheet 2 of 2)		

ADMIN_IP_MEDIA

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL
core_router_id	VARCHAR2(18)	references ADMIN_IP_CORE_ROUTER S (for core router media)
vrf_id	VARCHAR2(18)	references ADMIN_VPN_ROUTING_FU NCTIONS (for VRF media)
component_name	VARCHAR2(120)	NOT NULL
ipcos	NUMBER	0,3
ipcos_profile_comp_name	VARCHAR2(60)	
protocol_port	VARCHAR2(60)	
vm_if_mode	VARCHAR2(32)	AlwaysUpinterface, alwaysUpSummaryInterface, interVRConnection, primaryloopback
linkedif	VARCHAR2(120)	
synch_timestamp	DATE	NOT NULL
synch_status	CHAR(1)	N,A,U,D

ADMIN_PTMP_TUNNELS

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL
core_router_lo_id	NUMBER(18)	NULL or references ADMIN_IP_LOGICAL_INTER FACES
vrf_lo_id	NUMBER(18)	NULL or references ADMIN_IP_LOGICAL_INTER FACES
component_name	VARCHAR2(120)	NOT NULL
is_autodiscovery_enabled	CHAR(1)	Y, N
source_ip_address	VARCHAR2(40)	NOT NULL
synch_timestamp	DATE	NOT NULL
synch_status	CHAR(1)	N,A,U,D

ADMIN_2547_BGP_PEERS

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL
core_router_id	VARCHAR2(18)	NOT NULL, references ADMIN_ADMIN_IP_CORE_R OUTERS
peer_address	VARCHAR2(40)	NOT NULL
synch_timestamp	DATE	NOT NULL
synch_status	CHAR(1)	N,A,U,D

ADMIN_2764_VRFS

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL, PRIMARY KEY, references ADMIN_VPN_ROUTING_FUNCTIONS
vrf_id	NUMBER(18)	references ADMIN_VPN_ROUTING_FUNCTIONS
core_router_id	NUMBER(18)	NOT NULL, references ADMIN_IP_CORE_ROUTERS
vpn_id	VARCHAR2(20)	7 octets separated by dashes
asn_2764	NUMBER(5)	0 - 65535
is_aggregation_enabled	CHAR(1)	NOT NULL
is_rte_refl_enabled	CHAR(1)	Y, N
topology	VARCHAR2	hub, spoke
core_ipcos_profile_id	NUMBER(18)	references ADMIN_TM_PROFILES
dflt_access_ipcos_profile_id	NUMBER(18)	references ADMIN_TM_PROFILES
mbgp_rtg_pref	NUMBER (5)	0 - 253
mbgp_max_imports	NUMBER(5)	0 - 65535
mbgp_max_exports	NUMBER(5)	0 - 65535
synch_timestamp	DATE	NOT NULL
synch_status	CHAR(1)	N,A,U,D

ADMIN_2547_VRFS

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL, PRIMARY KEY references ADMIN_VPN_ROUTING_FUNCTIONS
is_extranet	CHAR(1)	Y, N
rte_distinguisher	VARCHAR2(60)	

ADMIN_IP_VCS

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL, PRIMARY KEY references ADMIN_CIRCUIT_ENDPOINTS
ip_medium_id	VARCHAR2(18)	references ADMIN_IP_MEDIA
ip_logical_interface_id	VARCHAR2(18)	references ADMIN_IP_LOGICAL_INTERFACES
ipcos	NUMBER(5)	NOT NULL (0-3)
synch_timestamp	DATE	NOT NULL
synch_status	CHAR(1)	NOT NULL

ADMIN_CIRCUIT_ENDPOINTS

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL
node_name	VARCHAR2(32)	NOT NULL
instance_name	VARCHAR2(80)	NOT NULL
(Sheet 1 of 2)		

Column Name	Data Type	Value
correlation_tag	VARCHAR2(32)	
synch_timestamp	DATE	NOT NULL
synch_status	CHAR(1)	N,A,U,D
(Sheet 2 of 2)		

ADMIN_PASSPORT_ATM_VCS

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL, PRIMARY KEY references ADMIN_CIRCUIT_ENDPOINTS
next_hop	VARCHAR2(80)	
application_name	VARCHAR2(80)	
called_address	VARCHAR2(40)	
called_conn_id	VARCHAR2(10)	
admin_control	VARCHAR2	permLocked, unlocked
ais_generation	CHAR(1)	
primary_dtl	VARCHAR2(32)	
alternative_dtl	VARCHAR2(32)	
automatic_fallback	CHAR(1)	
synch_timestamp	DATE	NOT NULL
synch_status	CHAR(1)	N,A,U,D

ADMIN_PASSPORT_FR_DLCIS

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL, PRIMARY KEY references ADMIN_CIRCUIT_ENDPOIN TS
dlci_type	VARCHAR2(32)	NOT NULL,
remote_dna	VARCHAR2(15)	can be NULL
remote_npi	VARCHAR2(4)	can be NULL
remote_dlc	NUMBER(4)	can be NULL
ipopt_frconn_id	VARCHAR2(18)	references ADMIN_CIRCUIT_ENDPOIN TS
synch_timestamp	DATE	NOT NULL
synch_status	CHAR(1)	NOT NULL

ADMIN_PASSPORT_FRF8_DLCIS

Column Name	Data Type	Value
id	NUMBER(18)	NOT NULL, PRIMARY KEY references ADMIN_CIRCUIT_ENDPOIN TS
atm_connection	VARCHAR2(60),	
remote_address	VARCHAR2(44),	
remote_connection_id	VARCHAR2(10)	
synch_timestamp	DATE	NOT NULL
synch_status	CHAR(1)	N,A,U,D

Other schema objects

The Administration Database contains the following additional objects:

- “Sequences” (page 91)
- “Synonyms” (page 93)

Sequences

The Administration Database uses a number of objects, referred to as sequences, that generate unique numbers for use as primary keys in the database. The following list defines the sequences in the Administration Database:

- **ADMIN_CIRCUITS_SEQ**
generates primary keys for the ADMIN_CIRCUITS table
- **ADMIN_COMPOSITE_CIRCUITS_SEQ**
generates primary keys for the ADMIN_COMPOSITE_CIRCUITS, ADMIN_SITES and ADMIN_IP_ACCESS_POINTS tables
- **ADMIN_CONTACTS_SEQ**
generates primary keys for the ADMIN_CONTACTS table
- **ADMIN_CUSTOMERS_SEQ**
generates primary keys for the ADMIN_CUSTOMERS table
- **ADMIN_DEVICES_SEQ**
generates primary keys for the ADMIN_DEVICES table
- **ADMIN_ENDPOINTS_SEQ**
generates sequences for the ADMIN_CIRCUITE_ENDPOINTS table. The ADMIN_PASSPORT_ATM_VCS, ADMIN_PASSPORT_FR_DLCLIS, ADMIN_PASSPORT_FRF8_DLCIS and ADMIN_IP_VCS tables provide additional information for each record of the ADMIN_CIRCUIT_ENDPOINTS table according to the type of endpoint. The IDs of these subordinate tables are foreign keys to the ADMIN_CIRCUIT_ENDPOINTS table and are determined by the values in the ADMIN_CIRCUIT_ENDPOINTS.ID column, not by the sequence generator.
- **ADMIN_FACILITIES_SEQ**
generates primary keys for the ADMIN_FACILITIES table

- ADMIN_INTERFACE_ADDRESSES_SEQ
generates primary keys for the ADMIN_INTERFACE_ADDRESSES table
- ADMIN_NPVC_HOPS_SEQ
generates primary keys for the ADMIN_NPVC_HOPS table
- ADMIN_SERVICE_INTERFACES_SEQ
generates primary keys for the ADMIN_SERVICE_INTERFACES table
- ADMIN_TM_PROFILES_SEQ
generates primary keys for the ADMIN_TM_PROFILES tables
- ADMIN_VFG_SEQ
generates IDs for the ADMIN_VIRTUAL_FRAMER_GATEWAYS table
- ADMIN_PASSPORT_LPS_SEQ
generates IDs for the ADMIN_PASSPORT_LPS table
- ADMIN_PASSPORT_LP_USAGES_SEQ
generates IDs for the ADMIN_PASSPORT_LP_USAGE table
- ADMIN_IP_CORE_NWKS_SEQ
generates IDs for the ADMIN_PROVIDER_EDGE_NETWORKS table
- ADMIN_IP_VCGS_SEQ
generates IDs for the ADMIN_IP_CORE_ROUTERS table
- ADMIN_2547_BGP_PEERS_SEQ
generates IDs for the ADMIN_2547_BGP_PEERS TABLE
- ADMIN_IP_PUB_ADDRS_POOL_SEQ
generates IDs for the ADMIN_CR_PUB_ADDR_POOLS table
- ADMIN_ROUTE_TARGETS_SEQ
generates IDs for the ADMIN_ROUTE_TARGETS table
- ADMIN_VRF_RT_USAGES_SEQ
generates IDs for the ADMIN_VRF_RT_USAGES table
- ADMIN_IP_VPNS_SEQ
generates IDs for the ADMIN_VIRTUAL_PRIVATE_NETWORKS table

- ADMIN_IP_PRIV_ADDR_POOL_SEQ
generates IDs for the ADMIN_VPN_PRIV_ADDR_POOLS table
- ADMIN_IP_VRFS_SEQ
generates IDs for the ADMIN_VPN_ROUTING_FUNCTIONS table
- ADMIN_IP_VPN_MEMB_SEQ
generates IDs for the ADMIN_VPN_MEMBERSHIPS table
- ADMIN_IP_MEDIA_SEQ
generates IDs for the ADMIN_IP_MEDIA table
- ADMIN_LOGICAL_IFS_SEQ
generates IDs for the ADMIN_IP_LOGICAL_INTERFACES table
- ADMIN_PTMP_TUNNELS_SEQ
generates IDs for the ADMIN_PTMP_TUNNELS table
- ADMIN_VPNMON_UID_SEQ
generates IDs for the ADMIN_VPNMON_SERVICE table

Synonyms

The data definition scripts for Oracle implementations of the Administration Database include public synonyms for all of the tables and sequences in the schema. These synonyms or private synonyms ensure that the circuit management applications can access the Administration Database schema objects through any user account that has the appropriate permissions on these objects.

The applications do not support the qualifications of object names by the schema names. Rather than requiring all user accounts to implement private synonyms, public synonyms can be defined. For security reasons, private synonyms may be created instead for all users that need to access the Administration Database.

All discrete names of synonyms are prefixed by 'ADMIN_' to reduce the probability of public synonyms conflicting with other applications or schemata in the same database instance.

Preside Multiservice Data Manager Administration Database Schema

R15.1

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