

Configure SCTP Remote Endpoints

OPERATING INSTRUCTIONS

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1 Description

This instruction describes how to create and configure a Remote Endpoint for the SCTP protocol using the Ericsson Command-Line Interface (ECLI).

The following parameters can be configured:

- Incoming INIT chunks handling action
- IP address or DNS Hostname
- IP address match type
- Port number
- SCTP Profile reference

2 Procedure

2.1 Configure SCTP Remote Endpoints

Prerequisites

- No documents are required.
- No tools are required.
- The following conditions must apply:
 - An Ericsson Command-Line Interface (ECLI) session in Exec mode is in progress.

Steps

1. View available SCTP Remote Endpoints, see Section 2.2 on page 1.
2. View the settings of an SCTP Remote Endpoint, see Section 2.3 on page 2.
3. Create an SCTP Remote Endpoint, see Section 2.4 on page 2.
4. Configure the parameters of SCTP Remote Endpoint, see Section 2.5 on page 3.



2.2 View Available SCTP Remote Endpoints

Steps

1. Navigate to the `Sctp` Managed Object (MO), for example:

```
>ManagedElement=1,Transport=1,Sctp=1
```

2. Show available remote endpoints:

```
(Sctp=1)>show
```

The following is an example output:

```
Sctp=1
  SctpRemoteEndpoint=1
  SctpRemoteEndpoint=2
```

2.3 View the Settings of An SCTP Remote Endpoint

Prerequisites

- A Managed Object (MO) `SctpRemoteEndpoint` exists.

Steps

1. Navigate to the `SctpRemoteEndpoint` MO, for example:

```
>ManagedElement=1,Transport=1,Sctp=1,SctpRemoteEndpoint=1
```

2. Run show command

```
(SctpRemoteEndpoint=1)>show -v
```

The following is an example output:

```
SctpRemoteEndpoint=1
  action=DROP_INCOMING_INIT
  address="1.1.1.1"
  matchType=ALL
  portNumber=2905
  sctpProfile="ManagedElement=1,Transport=1,Sctp=1,SctpProfile=0"
```

2.4 Create An SCTP Remote Endpoint

Steps

1. Navigate to the `Sctp` MO, for example:

```
>ManagedElement=1,Transport=1,Sctp=1
```



2. Enter Config mode:

```
(Sctp=1)>configure
```

3. Set the value of the SctpRemoteEndpoint attribute, for example:

```
(config-Sctp=1)>SctpRemoteEndpoint=1
```

4. Commit the changes:

```
>commit
```

2.5 Configure the Parameters of An SCTP Remote Endpoint

Prerequisites

- A Managed Object (MO) SctpRemoteEndpoint exists.

Steps

1. Navigate to the SctpRemoteEndpoint MO, for example:

```
>ManagedElement=1,Transport=1,Sctp=1,SctpRemoteEndpoint=1
```

2. Enter Config mode:

```
(SctpRemoteEndpoint=1)>configure
```

3. Set the value of the action attribute to define how SCTP handles incoming INIT chunks matched by Remote Port and Remote IP address or DNS Hostname, for example:

```
(config-SctpRemoteEndpoint=1)>action=DROP_INCOMING_INIT
```

Possible values are: DROP_INCOMING_INIT, USE_ASSOCIATION_CG, and USE_ENDPOINT_CG.

4. Set the value of the address attribute to configure IP address or DNS name, for example:

```
(config-SctpRemoteEndpoint=1)>address="1.1.1.1"
```

5. Set the value of the matchType attribute to define how IP addresses received in INIT chunk should be matched with Remote Endpoint IP address or DNS name, for example:

```
(config-SctpRemoteEndpoint=1)>matchType=ALL
```

Possible values are: ALL or ANY.

6. Set the value of the portNumber attribute, for example:

```
(config-SctpRemoteEndpoint=1)>portNumber=2905
```



7. Set the value of the `sctpProfile` attribute, for example:

```
(config-SctpRemoteEndpoint=1)>sctpProfile="ManagedElement=1,Transport=1,Sctp=1,SctpProfile=0"
```

8. Commit the changes:

```
(config-SctpRemoteEndpoint=1)>commit
```

9. Verify the settings:

```
(SctpRemoteEndpoint=1)>show
```

The following is an example output:

```
SctpRemoteEndpoint=1  
  action=DROP_INCOMING_INIT  
  address="1.1.1.1"  
  matchType=ALL  
  portNumber=2905  
  sctpProfile="ManagedElement=1,Transport=1,Sctp=1,SctpProfile=0"
```