

Configure Local SCTP Endpoint

OPERATING INSTRUCTIONS

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1 Description

This instruction describes how to create and configure local SCTP endpoint using the Ericsson Command-Line Interface (ECLI).

The following parameters can be configured:

- IP address or DNS Hostname
- Port number

2 Procedure

2.1 Configure Local SCTP Endpoint

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.
 - An SctpProfile Managed Object (MO) exists.

Steps

1. View available local SCTP endpoints, see Section 2.2.
2. Create local SCTP endpoint, see Section 2.3.
3. Change the parameters of local SCTP endpoint, see Section 2.4.

2.2 View Available Local SCTP Endpoints

Steps

1. Navigate to the M3ua MO, for example:
`>ManagedElement=1,Ss7=1,M3ua=1`
2. Show available local endpoints:



```
(M3ua=1)>show -m LocalSctpEndpoint
```

The following is an example output:

```
LocalSctpEndpoint=1
  portNumber=2900
  reservedBy
    "ManagedElement=1,Ss7=1,M3ua=1,LocalIpsp=1"
  sctpProfile="ManagedElement=1,Transport=1,Sctp=1,SctpProfile=0"
LocalSctpEndpoint=2
  portNumber=2901
  sctpProfile="ManagedElement=1,Transport=1,Sctp=1,SctpProfile=0"
LocalSctpEndpoint=3
  portNumber=2902
  reservedBy
    "ManagedElement=1,Ss7=1,M3ua=1,LocalIpsp=3"
  sctpProfile="ManagedElement=1,Transport=1,Sctp=1,SctpProfile=0"
LocalSctpEndpoint=4
  portNumber=2903
  reservedBy
    "ManagedElement=1,Ss7=1,M3ua=1,LocalIpsp=4"
  sctpProfile="ManagedElement=1,Transport=1,Sctp=1,SctpProfile=0"
```

2.3 Create Local SCTP Endpoint

Prerequisites

— A Managed Object (MO) SctpProfile exists.

Steps

1. Navigate to the M3ua MO, for example:

```
>ManagedElement=1,Ss7=1,M3ua=1
```

2. Enter Config mode:

```
(M3ua=1)>configure
```

3. Create the LocalSctpEndpoint MO, for example:

```
(config-M3ua=1)>LocalSctpEndpoint=5
```

4. To see all attributes with values, run show command, for example:

```
(config-LocalSctpEndpoint=5)>show -v
```

The following is an example output:



```
LocalSctpEndpoint=5
  localSctpEndpointId=5
  maxInStreams=17
  maxOutStreams=17
  portNumber=2905
  reservedBy=[]
  sctpProfile=[]
```

5. Set the value of the sctpProfile attribute, for example:

```
(config-LocalSctpEndpoint=5)>sctpProfile="ManagedElement=1,Transport=1,Sctp=1,SctpProfile=0"
```

6. Create the LocalAddress MO, for example:

```
(config-LocalSctpEndpoint=5)>LocalAddress=30.183.0.1
```

7. Set the value of the vpnName attribute, if needed, for example:

```
(config-LocalAddress=30.183.0.1)>vpnName=vpn-example
```

8. Commit the changes:

```
(config-LocalAddress=30.183.0.1)>commit
```

2.4 Change the Parameters of Local SCTP Endpoint

Steps

1. Navigate to the LocalSctpEndpoint MO, for example:

```
>ManagedElement=1,Ss7=1,M3ua=1,LocalSctpEndpoint=5
```

2. Enter Config mode:

```
(config-LocalSctpEndpoint=5)>configure
```

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

```
(config-LocalSctpEndpoint=5)>portNumber=2910
```

4. Set the value of the maxInStreams attribute to define the number of inbound streams allowed per association, for example:

```
(config-LocalSctpEndpoint=5)>maxInStreams=15
```

5. Set the value of the maxOutStreams attribute to define the number of outbound streams allowed per association, for example:

```
(config-LocalSctpEndpoint=5)>maxOutStreams=15
```

6. Commit the changes:



```
(config-LocalSctpEndpoint=5)>commit
```

7. Verify the settings:

```
(LocalSctpEndpoint=5)>show -r
```

The following is an example output:

```
LocalSctpEndpoint=5
  maxInStreams=15
  maxOutStreams=15
  portNumber=2910
  sctpProfile="ManagedElement=1,Transport=1,Sctp=1,SctpProfile=0"
  LocalAddress=30.183.0.1
  vpnName="vpn-example"
```