

Configure SCCP Load-sharing between Destinations

OPERATING INSTRUCTIONS

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1 Description

This instruction describes how to create and configure a Load-sharing for the SCCP protocol using the Ericsson Command-Line Interface (ECLI).

2 Procedure

2.1 Configure SCCP Load-sharing between two Destinations

Prerequisites

- A Managed Object (MO) `SccpSignalingPoint` exists.
- A Managed Objects (MOs), representing Destination (Destination MO), exists. The Destination MO can be an instance of one of following MOCs:
 - `LocalSignalingPoint`
 - `RemoteSignalingPoint`
 - `LocalSap`
 - `RemoteSap`

Steps

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

```
>dn ManagedElement=1,Ss7=1,SignalingNetwork=1,LocalSignalingPoint=1,SccpSignalingPoint=1
```
2. Enter Config mode:

```
(SccpSignalingPoint=1)>configure
```
3. Create the MO for the `GtTranslator` MOC, for example:

```
(config-SccpSignalingPoint=1)>GtTranslator=1
```
4. Create the first MO for the `GtDestination` MOC, for example:

```
(config-GtTranslator=1)>GtDestination=1
```
5. Set the value of the `sap` attribute as a reference to an MO to configure routing on. Examples:



- (config-GtDestination=1)>sap="ManagedElement=1,Ss7=1,SignalingNetwork=1,LocalSignalingPoint=1,SccpSignalingPoint=1,LocalSap=1"
 - (config-GtDestination=1)>sap="ManagedElement=1,Ss7=1,SignalingNetwork=1,LocalSignalingPoint=1,SccpSignalingPoint=1,RemoteSap=1"
6. Change the CLI position to the parent MO (GtTranslator), for example:
(config-GtDestination=1)>up
 7. Create the second MO for the GtDestination MOC, for example:
(config-GtTranslator=1)>GtDestination=2
 8. Set the value of the sap attribute as a reference to an MO to configure routing on. Examples:
 - (config-GtDestination=2)>sap="ManagedElement=1,Ss7=1,SignalingNetwork=1,LocalSignalingPoint=1,SccpSignalingPoint=1,LocalSap=2"
 - (config-GtDestination=2)>sap="ManagedElement=1,Ss7=1,SignalingNetwork=1,LocalSignalingPoint=1,SccpSignalingPoint=1,RemoteSap=2"
 9. Change the CLI position to the parent MO (GtTranslator), for example:
(config-GtDestination=1)>up
 10. Set the value of the primaryGtDestination attribute to refer to one of previously created GtDestination MO, for example:
(config-GtTranslator=1)>primaryGtDestination="GtDestination=1"
 11. Set the value of the secondaryGtDestination attribute to refer to another one of previously created GtDestination MO, for example:
(config-GtTranslator=1)>secondaryGtDestination="GtDestination=2"
 12. Set the value of loadShareIndicator. Example:
(config-GtDestination=2)>loadShareIndicator=LOAD_SHARING
 13. Set sane values for GtTranslator attributes. Example:
(config-GtTranslator=1)>translationType=-2
(config-GtTranslator=1)>numberSeries=*
 14. Commit the changes:



```
>commit
```

2.2

Configure SCCP Extended Load-sharing

Prerequisites

- It is possible to configure 4, 8 or 16 GtDestination MOs under GtTranslator MOC instance for SCCP extended loadsharing.
- A Managed Object (MO) SccpSignalingPoint exists.
- A Managed Objects (MOs), representing Destination (Destination MO), exists. The Destination MO can be an instance of one of following MOCs:
 - LocalSignalingPoint
 - RemoteSignalingPoint
 - LocalSap
 - RemoteSap

Steps

1. Navigate to the SccpSignalingPoint MO, for example:

```
>dn ManagedElement=1,Ss7=1,SignalingNetwork=1,LocalSignalingPoint=1,SccpSignalingPoint=1
```

2. Enter Config mode:

```
(SccpSignalingPoint=1)>configure
```

3. Create the MO for the GtTranslator MOC, for example:

```
(config-SccpSignalingPoint=1)>GtTranslator=1
```

4. Create the MO for the GtDestination MOC, for example:

```
(config-GtTranslator=1)>GtDestination=1
```

5. Set the value of the sap attribute as a reference to an MO to configure routing on. Example:

```
(config-GtDestination=1)>sap="ManagedElement=1,Ss7=1,SignalingNetwork=1,RemoteSignalingPoint=2"
```

6. Change the CLI position to the parent MO (GtTranslator), for example:

```
(config-GtDestination=1)>up
```

7. Perform steps 4-6 from this chapter 3, 7 or 15 times to configure necessary number of destinations. Example:



```
(config-GtTranslator=1)>GtDestination=2
```

```
(config-GtDestination=2)>sap="ManagedElement=1,Ss7=1,SignalingNetwork=1,LocalSignalingPoint=1,SccpSignalingPoint=1,LocalSap=1"
```

```
(config-GtDestination=2)>up
```

```
(config-GtTranslator=1)>GtDestination=3
```

```
(config-GtDestination=1)>sap="ManagedElement=1,Ss7=1,SignalingNetwork=1,LocalSignalingPoint=1,SccpSignalingPoint=1,LocalSap=2"
```

```
(config-GtDestination=31)>up
```

```
(config-GtTranslator=1)>GtDestination=4
```

```
(config-GtDestination=1)>sap="ManagedElement=1,Ss7=1,SignalingNetwork=1,LocalSignalingPoint=1,SccpSignalingPoint=1,LocalSap=3"
```

```
(config-GtDestination=41)>up
```

8. Set the value of the primaryGtDestination attribute to refer to one of previously created GtDestination MO, for example:

```
(config-GtTranslator=1)>primaryGtDestination="GtDestination=1"
```

9. Set the value of the secondaryGtDestination attribute to refer to another one of previously created GtDestination MO, for example:

```
(config-GtTranslator=1)>secondaryGtDestination="GtDestination=3"
```

10. Set the value of loadShareIndicator. Example:

```
(config-GtDestination=2)>loadShareIndicator=LOAD_SHARING
```

11. Set sane values for GtTranslator attributes. Example:

```
(config-GtTranslator=1)>translationType=-2
```

```
(config-GtTranslator=1)>numberSeries=*
```

12. Commit the changes:

```
>commit
```