



S-GW Access Peer Profile Configuration Mode Commands

MME restoration is a 3GPP specification-based feature designed to gracefully handle the sessions at S-GW once S-GW detects that the MME has failed or restarted. If the S-GW detects an MME failure based on a different restart counter in the Recovery IE in any GTP Signaling message or Echo Request / Response, it will terminate sessions and not maintain any PDN connections.

As a part of this feature, if a S-GW detects that a MME or S4-SGSN has restarted, instead of removing all the resources associated with the peer node, the S-GW shall maintain the PDN connection table data and MM bearer contexts for some specific S5/S8 bearer contexts eligible for network initiated service restoration, and initiate the deletion of the resources associated with all the other S5/S8 bearers.

Command Modes

This configuration mode enables operators to configure a peer profile for the Network Triggered Service Restoration feature.

Exec > Global Configuration > Peer Profile Configuration

configure > **peer-profile service-type sgw-access name** *profile_name*

Entering the above command sequence results in the following prompt:

```
[local] host_name(config-peer-profile-sgw-access)#
```



Important

The commands or keywords/variables that are available are dependent on platform type, product version, and installed license(s).

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description

Creates a textual description for this S-GW access peer profile.

do show

| | |
|---------------------------|---|
| Product | S-GW |
| Privilege | Administrator, Security Administrator |
| Command Modes | Exec > Global Configuration > Peer Profile Configuration configure > peer-profile service-type sgw-access name <i>profile_name</i> Entering the above command sequence results in the following prompt: [local] <i>host_name</i> (config-peer-profile-sgw-access)# |
| Syntax Description | description <i>string</i> description <i>string</i> A text string that describes this S-GW access peer profile. The description can be from 1 to 64 alphanumeric characters in length. |
| Usage Guidelines | Use this command to create a textual string that describes this S-GW access peer profile. |
| | Example To create a description titled SGWACCESS: description <i>SGWACCESS</i> |

do show

Executes all **show** commands while in Configuration mode.

| | |
|---------------------------|---|
| Product | All |
| Privilege | Security Administrator, Administrator |
| Syntax Description | do show |
| Usage Guidelines | Use this command to run all Exec mode show commands while in Configuration mode. It is not necessary to exit the Config mode to run a show command. The pipe character is only available if the command is valid in the Exec mode. |



Caution

There are some Exec mode **show** commands which are too resource intensive to run from Config mode. These include: **do show support collection**, **do show support details**, **do show support record** and **do show support summary**. If there is a restriction on a specific **show** command, the following error message is displayed:

```
Failure: Cannot execute 'do show support' command from Config mode.
```

end

Exits the current configuration mode and returns to the Exec mode.

| | |
|---------------------------|--|
| Product | All |
| Privilege | Security Administrator, Administrator |
| Syntax Description | end |
| Usage Guidelines | Use this command to return to the Exec mode. |

exit

Exits the current mode and returns to the parent configuration mode.

| | |
|---------------------------|--|
| Product | All |
| Privilege | Security Administrator, Administrator |
| Syntax Description | exit |
| Usage Guidelines | Use this command to return to the parent configuration mode. |

ntsr

Enables network triggered service restoration (NTSR) and identifies the Pool ID to use for the feature.

| | |
|---------------------------|--|
| Product | S-GW |
| Privilege | Administrator, Security Administrator |
| Command Modes | Exec > Global Configuration > Peer Profile Configuration configure > peer-profile service-type sgw-access name <i>profile_name</i> Entering the above command sequence results in the following prompt: <pre>[local] host_name(config-peer-profile-sgw-access)#</pre> |
| Syntax Description | ntsr pool-id <i>number</i> no ntsr-pool-id <i>number</i> default ntsr-pool-id <i>number</i> default The specified NTSR pool ID will be used as the default. |

no

Disables the specified option.

ntsr pool-id

Specifies the NTSR pool ID to use for the NTSR feature. NTSR pool IDs and pool types are configured in Global Configuration Mode using the **ntsr pool-id** command.

Usage Guidelines

Use this command to configure an SGW Access Peer Profile for the NTSR feature.

Example

To enable NTSR for NTSR pool ID 1

```
ntsr pool-id 1
```