



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).

- [description, on page 2](#)
- [do show, on page 3](#)
- [end, on page 4](#)
- [exit, on page 5](#)
- [ntsr, on page 6](#)

description

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

Product

S-GW

Privilege

Administrator, Security Administrator

Command Modes

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)#
```

Syntax Description

description *string*

description *string*

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 SGWACCESS
```

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

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** *profile_name*

Entering the above command sequence results in the following prompt:

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

Syntax Description

ntsr pool-id *number*
no ntsr-pool-id *number*
default ntsr-pool-id *number*

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
```