

SAEGW Service Configuration Mode Commands

Command Modes

The System Architecture Evolution Gateway (SAEGW) Service Configuration Mode is used to create and manage the relationship between specified services used for S-GW and P-GW network traffic.

Exec > Global Configuration > Context Configuration > SAEGW Service Configuration

configure > context *context_name* **> saegw-service** *service_name*

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-saegw-service)#
```

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

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associate

Associates the SAEGW service with specific pre-configured services configured in the same context.

Product

SAEGW

Privilege

Administrator

Command Modes

Exec > Global Configuration > Context Configuration > SAEGW Service Configuration

configure > context *context_name* **> saegw-service** *service_name*

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-saegw-service)#
```

Syntax Description

[no] associate { pgw-service *name* **| gtpu-service** *service_name* **up-tunnel | sgw-service** *name* **sx-service** *name* **}**

no

Removes the selected association from this service.

pgw-service *name*

Specifies that the SAEGW service is to be associated with an existing P-GW service within this context.

name must be an alphanumeric string of 1 through 63 characters and be an existing P-GW service.

sgw-service *name*

Specifies that the SAEGW service is to be associated with an existing S-GW service within this context.

name must be an alphanumeric string of 1 through 63 characters and be an existing S-GW service.

Important S-GW egress eGTP service must be in the same context as this SAEGW service. In addition, PMIP is not supported for the S-GW service egress.

sx-service *name*

Specifies that the SAEGW service is to be associated with an existing Sx service within this context.

name must be an alphanumeric string of 1 through 63 characters and be an existing Sx service.

up-tunnel

Configures the interface type as up-tunnel (tunnel towards User Plane function).

Usage Guidelines

Use this command to associate the SAEGW service with other pre-configured services configured in the same context.

Important Each P-GW or S-GW service may only be associated with one SAEGW service; however, there may be multiple SAEGW services configured on a system in separate contexts.

Example

The following commands associate this SAEGW service with a P-GW service called *pgw1* and a S-GW service called *sgw2*:

```
associate pgw-service pgw1
associate sgw-service sgw2
```

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.
```

gtpc handle-collision upc nrupc

This command helps in enabling or disabling collision handling between SGSN initiated UPC and NRUPC request.

Product

SAEGW

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration > Context Configuration > SAEGW Service Configuration

configure > context *context_name* **>saegw-service** *service_name*

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-saegw-service)#
```

Syntax Description

```
[ no | default ] gtpc handle-collision upc nrupc
```

no

Disables collision handling between SGSN initiated UPC and NRUPC request.

default

Sets default collision handling behavior between SGSN initiated UPC and NRUPC request. By default, collision handling is enabled.

handle-collision upc nrupc

Enables/Disables collision handling between SGSN initiated UPC and network requested UPC. By default, collision handling is enabled.

Usage Guidelines This command is used to enable or disable collision handling between SGSN initiated UPC and NRUPC request.

Example

The following example disables collision handling between SGSN initiated UPC and NRUPC request.

```
no gtpc handle-collision upc nrupc
```

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.

sxa-tunnel-del-at-dsr-on-sgw-change

This command enables or disables the Sxa tunnel deletion at DSR during X2 based and S1 based handover with SGW relocation.

Product SAEGW

Privilege Security Administrator, Administrator

Command Modes

Exec > Global Configuration > Context Configuration > SAEGW Service Configuration

configure > context *context_name* **> saegw-service** *service_name*

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-saegw-service)#
```

Syntax Description

[no] sxa-tunnel-del-at-dsr-on-sgw-change

no

Disable the Sxa tunnel deletion at DSR during X2/S1 based handover.

sxa-tunnel-del-at-dsr-on-sgw-change

Enable the Sxa tunnel deletion at DSR during X2/S1 based handover with SGW relocation.

Usage Guidelines

This command is used to enable or disable the Sxa tunnel deletion at DSR during X2/S1 based handover with SGW relocation.