

# 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.