Global Title Translation Address-Map Configuration Mode Commands

The Global Title Translation (GTT) Address Map Configuration is a sub-mode of Global Title Translation Mode. This mode is used to create and configure the GTT database.

Command Modes

This chapter describes the Global Title Translation Address-Map Configuration Mode

Exec > Global Configuration > GTT Address-Map

configure > global-title-translation > address-map instance*instance*

Entering the above command sequence results in the following prompt:

`[local]`*`host_name`*`(config-gtt-addrmap-instance)#`

Important Available commands or keywords/variables vary based on platform type, product version, and installed license(s).

associate

This command allows the user to configure the gtt-association.

Product SGSN

Privilege Security Administrator, Administrator

Command Modes

Exec > Global Configuration > Global Title Translation Address-Map Configuration

configure > global-title-translation address-map instance *instance*

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-gtt-addrmap-instance)#
```

Syntax Description

[no] associate gtt-association *instance* **action id** *action_id*

no

Removes the configured gtt-association.

gtt-association

This keyword is used to specify the gtt-association to be used.

instance

Specifies the gtt-association instance to be used. The instance is an integer value from 1 up to 16.

action

This keyword is used to specify the action for the rule. The actions are configured by the **action** command in the GTT Association Configuration Mode. For more information see the *Global Title Translation Association Configuration Mode* chapter.

id

This keyword is used to specify the action id. The action id's are associated with specific action types in the GTT Association Configuration Mode. For more information see the *Global Title Translation Association Configuration Mode* chapter.

action_id

The *action_id* is an integer value from 1 up to 15.

Usage Guidelines

This command allows the user to configure the gtt-association. The instance and the action can be configured using this command. The Action Id's are configured using the **action** command under the GTT Association Configuration Mode. For more information see *Global Title Translation Association Configuration Mode* chapter.

Example

This command configures gtt-association for **instance** *12* and specifies the **action id** as *10*:

```
associate gtt-association  12 action id 10
```

description

Allows the user to enter a descriptive text for this configuration.

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Command Modes Exec > Global Configuration > Global Title Translation Address-Map Configuration

configure > global-title-translation address-map instance *instance*

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-gtt-addrmap-instance)#
```

Syntax Description

description *text*
no description

no

Clears the description for this configuration.

text

Enter descriptive text as a string of 1 up to 127 characters.

Usage Guidelines The description should provide useful information about this configuration.

do

Spawns an Exec mode command which displays information to the administrator.

Product All

Privilege Administrator

Syntax Description **do show** *show_command_options*

show *show_command_options*

Executes an exec mode **show** command and immediately returns back to the current configuration mode.

show_command_options lists the various show commands available for the administrator.

Usage Guidelines Use this command to display show command information to the administrator and immediately return back to the current configuration 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.

gt-address

This command allows the user to configure the SCCP short address.

Product SGSN

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration > Global Title Translation Address-Map Configuration

configure > global-title-translation address-map instance *instance*

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-gtt-addrmap-instance)#
```

Syntax Description

gt-address *gt_address*
no gt-address

no

Removes the configured SCCP short address.

gt_address

The gt-address is a numerical string of size 1 up to 15. The length of the address should be greater than or equal to the end-digit of the associated action-id.

Example

This command configures the gt-address of the SCCP entity as *101011*:

gt-address *101011*

mode

This command allows the user to configure the mode of operation of SCCP entities.

Product SGSN

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration > Global Title Translation Address-Map Configuration

configure > global-title-translation address-map instance *instance*

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-gtt-addrmap-instance)#
```

Syntax Description **mode { dominant | loadshare }**

dominant

This keyword configures the mode of operation of SCCP entities as dominant. In this mode even if multiple out-addresses are configured the first out-address will be used for handling all the signaling traffic. The next available out-address is chosen for handling all the signaling traffic if any out-address is not available. For example, if the first out-address is not available the second out-address is used for handling all the signaling traffic.

loadshare

This keyword configures the mode of operation of SCCP entities as loadshare. In this mode if multiple out-addresses are configured then the load of signaling traffic is shared among all the out-addresses configured. This is also the default mode.

Example

This command configures the mode of operation of SCCP entities as dominant:

mode dominant

out-address

This command allows the user to configure the outgoing address and outbound parameters of the SCCP entity.

Product SGSN

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration > Global Title Translation Address-Map Configuration

configure > global-title-translation address-map instance *instance*

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-gtt-addrmap-instance)#
```

Syntax Description

[no] out-address *address_name*

no

Removes the configured outgoing address and outbound parameters of the SCCP entity.

address_name

The address name is a string of size 1 up to 63.

Usage Guidelines

This command allows the user to configure the outgoing address of the SCCP entity, the user enters the Out-Address Configuration mode where the outbound parameters for the SCCP entities as part of the gtt-address-map configuration can be configured. For more information see *Out-Address Configuration Mode Commands* chapter in the *Command Line Interface Reference, Commands I - Q* document.

Example

This command configures the outgoing address of the SCCP entity as *sccp1*:

out-address *sccp1*