

SGSN ASP Configuration Mode Commands

Command Modes

The ASP (application server process) configuration mode defines the M3UA end-point parameters for a specific SS7 routing domain instance. The ASP instance is generated and accessed via the SS7 routing domain configuration mode commands.

Exec > Global Configuration > SS7 Routing Domain Configuration > ASP Configuration

configure > ss7-routing-domain *routing_domain_id* **variant** *variant_type* **> asp instance** *asp_number*

Entering the above command sequence results in the following prompt:

`[local]`*`host_name`*`(config-ss7-rd-`*`ss7rd_id`*`-asp-inst-instance)#`

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

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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 mode and returns to the Exec Mode.

Product All

Privilege Security Administrator, Administrator

Syntax Description **end**

Usage Guidelines Change the mode back to the Exec Mode.

end-point

This command defines or deletes the IP address and/or port number to be associated with the local SCTP end-point for this ASP. At least one address needs to be configured before the end-point can be activated.

Important In Release 20 and later, HNBGW is not supported. This command must not be used for HNBGW in Release 20 and later. For more information, contact your Cisco account representative.

When using the **bind** keyword, this command also activates the end-point once the address has been defined. Once bound, it cannot be reconfigured until it is unbound with the **no end-point bind** command.

Product SGSN

HNB-GW

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration > SS7 Routing Domain Configuration > ASP Configuration

configure > ss7-routing-domain *routing_domain_id* **variant** *variant_type* **> asp instance** *asp_number*

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-ss7-rd-ss7rd_id-asp-inst-instance)#
```

Syntax Description

```
end-point { address ip_address context context_id | bind | port port_number
 }
no end-point { address ip_address context context_id | bind }
```

address ip_address context context_id:

Specifies the IP address and the context associated with the address for this end-point.

ip_address**:** must be defined using the standard IPv4 dotted decimal notation or the colon notation of IPv6.

context context_id: a string of 1 to 79 alphanumeric characters to identify the specific context associated with the end-point address.

bind

Activates (binds) the end-point.



Important Only use **bind** after you have configured other parameters.

port port_number

Identifies the M3UA's SCTP port associated with this end-point.

port_number: must be an integer fom 1 to 65535. Default is 2905.

no

Removes the end-point configuration or deactivates the end-point.



Caution Entering this command will terminate all current subscriber sessions for associated peers.

Usage Guidelines

Use this command to manage the ASP end-point. Once the ASP end-point is bound the end-point configuration can not be changed until it is unbound.

Example

Activate the end-point with the following command:

```
end-point bind
```

Deactivate or unbind the end-point with the following command:

```
no end-point bind
```

Set the end-point port to default for ASP 1 with the following command:

```
default asp instance 1 end-point port
```

exit

Exits the current mode and returns to the previous mode.

Product

SGSN

Privilege

Security Administrator, Administrator

Syntax Description

```
exit
```

Usage Guidelines

Returns to the previous mode.