



Network Service Virtual Link Configuration Mode Commands

Command Modes

The Network Service Virtual Link configuration mode is a sub-mode of the Network Service Entity - IP configuration mode. This sub-mode provides the commands and parameters to define the NSVL of the Gb interface between a BSS and an SGSN in a 2.5G GPRS IP network connection.

Exec > Global Configuration > Network Service Entity - IP Configuration > NSVL Configuration

configure > network-service-entity ip > nsvl instance *nsvl_id*

Entering the above command sequence results in the following prompt:

```
[local]host_name(nse-ip-local-nsvl-nsvl_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 configuration mode and returns to the Exec mode.

Product	SGSN
Privilege	Security Administrator, Administrator
Syntax Description	end
Usage Guidelines	Return to the Exec mode.

exit

Exits the current configuration mode and returns to the previous configuration mode.

Product

SGSN

Privilege

Security Administrator, Administrator

Syntax Description

exit

Usage Guidelines

Return to the network service entity - IP configuration mode. mode.

nsvl-address

This command configures the IP address of the NSVL end-point.

Product

SGSN

Privilege

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Command Modes

Exec > Global Configuration > Network Service Entity - IP Configuration > NSVL Configuration

configure > network-service-entity ip > nsvl instance *nsvl_id*

Entering the above command sequence results in the following prompt:

```
[local]host_name(nse-ip-local-nsvl-nsvl_instance)#
```

Syntax Description

nsvl-address ip-address *ip_address* **context** *ctxt_name* **port** *port_num*

ip-address *ip_address*

Identifies the address of the NSVL.

ip_address: Must be specified using the standard IPv4 dotted decimal notation or colon notation for IPv6.

context *ctxt_name*

Identifies the specific context associated with this NSVL address.

ctxt_name: Enter up to 79 alphanumeric characters.

port *port_num*

Specifies the UDP port to associate with the NSVL end-point.

port_num: Must be an integer from 1 to 65535.

Usage Guidelines

Use this command to configure the IP address, context name and port number for the NSVL end-point.

Example

```
nsvl-address ip-address 1.1.1.1 context sgsn2 port 3735
```

weight

This command configures the signaling or data weight for NSVL.

Product

SGSN

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration > Network Service Entity - IP Configuration > NSVL Configuration

configure > network-service-entity ip > nsvl instance *nsvl_id*

Entering the above command sequence results in the following prompt:

```
[local]host_name(nse-ip-local-nsvl-nsvl_instance)#
```

Syntax Description

weight { data *data_weight* | signaling *signaling_weight* }

data *data_weight*

Defines the data weight for the NSVL.

data_weight: Must be an integer from 0 to 255. Default is 1.

signaling *signaling_weight*

Defines the signaling weight for the NSVL.

signaling_weight: Must be an integer from 0 to 255. Default is 1.

Usage Guidelines

Configure the weight of the signaling or data for the NSVL.

Example

```
weight data 234
```