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).

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 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

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
```