

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).

Important For information on common commands available in this configuration mode, refer to the Common Commands chapter.

- nsvl-address, on page 1
- weight, on page 2

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 *209.165.200.225* **context** *sgsn2* **port** *3735*

weight

This command configures the signaling or data weight for NSVL.

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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

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
```