



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

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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

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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
```

weight