



# 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)#
```

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**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.

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**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.

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**Product**

SGSN

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**Privilege**

Security Administrator, Administrator

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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.

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**Usage Guidelines**

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

**Example**

```
weight data 234
```

weight