Network Service Header - Format Configuration Mode Commands

The Network Service Header (NSH) - format configuration mode is a sub-mode of the Global Configuration mode. This sub-mode defines nsh-format for encoding or decoding NSH header.

Command Modes

Exec > Global Configuration > Network Service Header > Network Service Header - Format Configuration

configure > nsh > nsh-format

Entering the above command sequence results in the following prompt:

```
[local]host_name(nsh-nshformat)#
```

☞ **Important** The commands or keywords/variables that are available are dependent on platform type, product version, and installed license(s).

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decode

This command decodes the NSH fields to be associated with the NSH format.

Product

P-GW

SAEGW

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration > NSH Configuration > NSH-Format Configuration

configure > nsh > nsh-format

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-nshformats)#
```

Syntax Description   **[no] decode nsh-fields** *<nsh_fields_name>*

no

Deletes the nsh-format type.

nsh-fields

Decodes the nsh-fields to be associated with the nsh-format.

Usage Guidelines   Use this command to associate a tag value to a field.

Example

The following commands decodes the nsh-fields to be associated with the nsh-format:

decode nsh-fields F1

The following commands deletes the nsh-format:

no decode nsh-fields F1

encode

This command encodes the NSH fields to be associated with the NSH format.

Product	P-GW
	SAEGW
Privilege	Security Administrator, Administrator
Command Modes	Exec > Global Configuration > NSH Configuration > NSH-Format Configuration
	configure > nsh > nsh-format
	Entering the above command sequence results in the following prompt:
	`[local]host_name(config-nshformats)#`

Syntax Description   **[no] encode nsh-fields** *<nsh_fields_name>*

no

Deletes the nsh-format type.

nsh-fields

Encodes the nsh-fields to be associated with the nsh-format.

Usage Guidelines   Use this command to associate a tag value to a field.

Example

The following commands encodes the nsh-fields to be associated with the nsh-format:

`encode nsh-fields F1`

The following commands deletes the nsh-format:

`no encode nsh-fields F1`

encoding-frequency

This command defines frequency of encoding the NSH fields to be associated with the NSH format.

Product	P-GW
	SAEGW
Privilege	Security Administrator, Administrator
Command Modes	Exec > Global Configuration > NSH Configuration > NSH-Format Configuration
	configure > nsh > nsh-format
	Entering the above command sequence results in the following prompt:
	`[local]host_name(config-nshformats)#`
Syntax Description	**`encoding-frequency { always	once-per-flow }`**

encoding-frequency

Defines frequency of encoding nsh-fields.

always

Encodes nsh fields on every hit.

once-per-flow

Encodes nsh fields once per flow.

Usage Guidelines	Use this command to define the frequency of encoding the nsh fields.

Example

The following commands defines the frequency of encoding the nsh-fields to be associated with the nsh-format:

`encoding-frequency always`

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 global configuration mode.

Product   SGSN

Privilege   Security Administrator, Administrator

Syntax Description   `exit`

Usage Guidelines   Returns to the global configuration mode.