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)#
```

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

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

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