1 Hot Swapping Commands

Command	Function
sysmac	Specify a MAC address for the system.
remove configuration device	Remove the existing configurations of a VSU member device (this command is available only in VSU mode, and this operation takes effect after the device is restarted).
show alarm	Display current system-level alarms.
show manuinfo	Display the asset information of all independent components in the current system.
show sysmac	Display the current system MAC address of a device.
show version module detail	Display the details of a module.
show version slots	Display the online status of a module.

1.1 sysmac

Function

Run the **sysmac** command to specify a MAC address for the system.

Run the **no** form of this command to delete the MAC address retained in the configuration file.

No MAC address is specified for the system by default.

Syntax

sysmac *mac-address*

no sysmac

Parameter Description

mac-address: MAC address.

Command Modes

Global configuration mode

Default Level

14

Usage Guidelines

Generally, the MAC address used by the system is stored in the supervisor module or flash memory of the chassis. In virtual switching unit (VSU) mode, however, the system automatically saves the used MAC address in the configuration file to avoid interruption caused by the change of the MAC address. If a valid MAC address exists in the configuration file after restart, the MAC address is used preferentially. The **no sysmac** command is run to delete the MAC address in the configuration file and restore the MAC address that is stored in the flash memory by default.

In gateway mode (the **auth-mode gateway** command is configured in the system), the gateway MAC address is bound on some peripheral devices. If the gateway is replaced, users can run the **sysmac** command to set the MAC address of the gateway to the MAC address of the new gateway. Thus, you do not need to modify configurations of downstream devices with the gateway MAC address bound. The **sysmac** command is available only when the system is configured to work in gateway mode.

After an MAC address is specified for the system or the MAC address stored in the configuration file is deleted, be sure to save the configurations and restart the system so that the configurations take effect.

The **sysmac** command is available only when the system is configured to work in gateway mode. In other modes, this command is visible but not configurable.

Examples

The following example deletes the MAC address stored in the configuration file.

```
Hostname> enable
Hostname# no sysmac
```

The following example sets the MAC address of the system to 00d0.f822.33e2.

```
Hostname> enable
```

```
Hostname# sysmac 00d0.f822.33e2
```

Notifications

N/A

Common Errors

N/A

Platform Description

N/A

Related Commands

N/A

1.2 remove configuration device

Function

Run the **remove configuration device** command to remove the existing configurations of a VSU member device (this command is available only in VSU mode, and this operation takes effect after the device is restarted).

Syntax

remove configuration device *device-id*

Parameter Description

device-id: Chassis ID.

Command Modes

Global configuration mode

Default Level

14

Usage Guidelines

To remove the existing configurations of a member device in the VSU system, run this command. This command is saved, and then takes effect after the system is restarted.

Examples

The following example removes the configurations of device 1.

```
Hostname> enable
Hostname# configure terminal
Hostname(config)# remove configuration device 1
```

Notifications

N/A

Common Errors

N/A

Platform Description

N/A

Related Commands

N/A

1.3 show alarm

Function

Run the **show alarm** command to display current system-level alarms.

Syntax

show alarm

Parameter Description

N/A

Command Modes

Privileged EXEC mode

Default Level

14

Usage Guidelines

This command is used to display current system-level alarms, including board startup failure, device temperature, power supply, fan, and inter-board data forwarding path.

Examples

N/A

Notifications

When this command is run to display current system-level alarms, the following notification will be displayed:

```
Hostname> enable
Hostname# show alarm
Dev  Module          Level    Info
1    DEV             Warning  Some fans are absent.
1    DEV             Critical Some cards are in cannot-startup state.
```

Table 1-1 Output Fields of the show alarm Command

Field	Description
Dev	ID of a device giving an alarm

Field	Description
Module	Name of the service module that reports the alarm
Level	Alarm levels, including **Critical** and **Warning**
Info	Description of the alarm causes, for example, the system power is insufficient, the fan is removed, or a board cannot be started.

Platform Description

N/A

Related Commands

N/A

1.4 show manuinfo

Function

Run the **show manuinfo** command to display the asset information of all independent components in the current system.

Syntax

show manuinfo

Parameter Description

N/A

Command Modes

Privileged EXEC mode

Default Level

14

Usage Guidelines

This command is used to display the asset information of all independent components in the system for asset management. The components include the chassis, fans, power supply, supervisor modules, and line cards. The displayed information about each component includes the number, slot ID, name, serial number, software and hardware versions, and MAC address. Different information is displayed for each type of device, and only the actually supported information is displayed.

Examples

The following example displays asset information in standalone mode.

```
Hostname> enable
Hostname# show manuinfo
Device 1
```

```
    Location:                   Chassis
    Device name:                RG S12006
    Device Serial Number:       62150129A8B0DAF0F0321
    Hardware Version:           V1.0
    Mac Address:                00.D0.F8.00.11.22
Device 2
    Location:                   Slot-M1
    Device name:                M12000 CM
    Device Serial Number:       32150129A8B0DAF0F0321
    Hardware Version:           V1.0
    Software Version:           NOS 10.4(3b17) Release 129646
    Mac Address:                00.D0.F8.00.11.34
Device 3
    Location:                   Slot-1
    Device name:                M12000-04XFP-EA
    Device Serial Number:       32150129A8B0DAF0F0322
    Hardware Version:           V1.0
    Software Version:           NOS 10.4(3b17) Release 129646
Device 4
    Location:                   Slot-2
    Device name:                M12000-04XFP-EA
    Device Serial Number:       32150129A8B0DAF0F0323
    Hardware Version:           V1.0
    Software Version:           NOS 10.4(3b17) Release 129646
Device 5
    Location:                   Power 1
    Device name:                RG PD1200I
    Device Serial Number:       42150129A8B0DAF0F0321
    Hardware Version:           V1.0
Device 6
    Location:                   Power 2
    Device name:                RG PD1200I
    Device Serial Number:       42150129A8B0DAF0F0322
    Hardware Version:           V1.0
Device 7
    Location:                   FAN
    Device name:                M12000 FAN
    Device Serial Number:       52150129A8B0DAF0F0321
    Hardware Version:           V1.0
```

The following example displays asset information in VSU mode.

```
Hostname> enable
Hostname# show manuinfo
Device 1
    Location:                   Chassis 1
    Device name:                RG S12006
    Device Serial Number:       62150129A8B0DAF0F0321
```

```
    Hardware Version:           V1.0
    Mac Address:                00.D0.F8.00.11.22
Device 2
    Location:                   Slot-1/M1
    Device name:                M12000 CM
    Device Serial Number:       32150129A8B0DAF0F0321
    Hardware Version:           V1.0
    Software Version:           NOS 10.4(3b17) Release 129646
    Mac Address:                00.D0.F8.00.11.56
Device 3
    Location:                   Slot-1/1
    Device name:                M12000-04XFP-EA
    Device Serial Number:       32150129A8B0DAF0F0322
    Hardware Version:           V1.0
    Software Version:           NOS 10.4(3b17) Release 129646
Device 4
    Location:                   Slot-1/2
    Device name:                M12000-04XFP-EA
    Device Serial Number:       32150129A8B0DAF0F0323
    Hardware Version:           V1.0
    Software Version:           NOS 10.4(3b17) Release 129646
Device 5
    Location:                   Power 1/1
    Device name:                RG PD1200I
    Device Serial Number:       42150129A8B0DAF0F0321
    Hardware Version:           V1.0
Device 6
    Location:                   Power 1/2
    Device name:                RG PD1200I
    Device Serial Number:       42150129A8B0DAF0F0322
    Hardware Version:           V1.0
Device 7
    Location:                   FAN 1
    Device name:                M12000 FAN
    Device Serial Number:       52150129A8B0DAF0F0322
    Hardware Version:           V1.0
Device 8
    Location:                   Chassis 2
    Device name:                RG S12006
    Device Serial Number:       62150129A8B0DAF0F0322
    Hardware Version:           V1.0
    Software Version:           NOS 10.4(3b17) Release 129646
    Mac Address:                00.D0.F8.00.11.33
Device 9
    Location:                   Slot-2/M1
    Device name:                M12000 CM
```

```
    Device Serial Number:        32150129A8B0DAF0F0324
    Hardware Version:            V1.0
    Software Version:            NOS 10.4(3b17) Release 129646
    Mac Address:                 00.D0.F8.00.11.22
Device 10
    Location:                    Slot-2/1
    Device name:                 M12000-04XFP-EA
    Device Serial Number:        32150129A8B0DAF0F0325
    Hardware Version:            V1.0
    Software Version:            NOS 10.4(3b17) Release 129646
Device 11
    Location:                    Slot-2/2
    Device name:                 M12000-04XFP-EA
    Device Serial Number:        32150129A8B0DAF0F0326
    Hardware Version:            V1.0
    Software Version:            NOS 10.4(3b17) Release 129646
Device 12
    Location:                    Power 2/1
    Device name:                 RG PD1200I
    Device Serial Number:        42150129A8B0DAF0F0323
    Hardware Version:            V1.0
Device 13
    Location:                    Power 2/2
    Device name:                 RG PD1200I
    Device Serial Number:        42150129A8B0DAF0F0324
    Hardware Version:            V1.0
Device 14
    Location:                    FAN 2
    Device name:                 M12000 FAN
    Device Serial Number:        52150129A8B0DAF0F0322
    Hardware Version:            V1.0
```

Table 1-1Output Fields of the show manuinfo Command

Field	Description
Location	Location of a device in the system
Device name	Device name
Device Serial Number	Device SN
Hardware Version	Hardware version

Notifications

N/A

Platform Description

N/A

Related Commands

N/A

1.5 show sysmac

Function

Run the **show sysmac** command to display the current system MAC address of a device.

Syntax

show sysmac

Parameter Description

N/A

Command Modes

Privileged EXEC mode

Default Level

14

Usage Guidelines

This command is used to display the current MAC address of the system.

Examples

The following example displays the current MAC address of the system.

```
Hostname# enable
Hostname# show sysmac
00d0.f822.33e2
```

Notifications

N/A

Platform Description

N/A

Related Commands

N/A

1.6 show version module detail

Function

Run the **show version module detail** command to display the details of a module.

Syntax

show version module detail [*slot-num*]

show version module detail [*device-id / slot-num*]

Parameter Description

device-id: Chassis ID. This parameter is optional (in VSU mode, to enter a slot ID, you must also enter the chassis ID of the module).

slot-num: Slot ID (optional).

Command Modes

Privileged EXEC mode

Default Level

14

Usage Guidelines

This command is used to display the details of a module.

Examples

The following example displays the details of the module in slot 0.

```
Hostname# enable
Hostname# show version module detail 2
Device  : 1
Slot    : 0
Soft Status:  master
Online Module
Type    :
Ports   : 0
Hardware version :
Software version :
BOOT version      :
Serial number     :
```

Table 1-1Output Fields of the show version module detail 2 Command

Field	Description
Device	Device ID
Slot	Slot ID
Soft Status	Software status
Online Module	Online module
Type	Type
Ports	Number of ports

Field	Description
Hardware version	Hardware version
Software version	Software version
BOOT version	Boot version
Serial number	Serial number

Notifications

N/A

Platform Description

N/A

Related Commands

N/A

1.7 show version slots

Function

Run the **show version slots** command to display the online status of a module.

Syntax

show version slots [*slot-num*]

show version slots [*device-id / slot-num*]

Parameter Description

device-id: Chassis ID. This parameter is optional (in VSU mode, to enter a slot ID, you must also enter the chassis ID of the module).

slot-num: Slot ID (optional).

Command Modes

Privileged EXEC mode

Default Level

14

Usage Guidelines

This command is used to display the online status of a module.

Examples

The following example displays the online status of a module.

```
Hostname# enable
```

```
Hostname# show version slots
Dev  Slot  Port Configured Module   Online Module     Software Status
-  --  --------   ---             -----
1    1     0     none               none                 none
1    2     24    M8606-24SFP/12GT   M8606-24SFP/12GT     none
1    3     2     M8606-2XFP         M8606-2XFP           cannot startup
1    4     24    M8606-24GT/12SFP   M8606-24GT/12SFP     ok
1    M1    0     N/A                M8606-CM             master
1    M2    0     N/A               none                   none
```

Table 1-1Output Fields of the show version slots Command

Field	Description
Dev	Device ID
Slot	Slot ID
Port	Number of ports
Configured Module	Configured module
Online Module	Online module
Software Status	Software status

Notifications

N/A

Platform Description

N/A

Related Commands

N/A