MAC Address Table Characteristics Configuration Commands

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Chapter 1 MAC Address Table Characteristics Configuration Commands

1.1 MAC Address Table Characteristic Configuration Commands

1.1.1 mac address-table static

Description

To add/delete a static MAC address, use the **mac address-table static** command.

[**no**] **mac address-table static** *mac-addr* vlan *vlan-id* interface *interface-id*

Parameter

Parameter	Description
mac-addr	MAC address. Value format: H.H.H.
vlan-id	Vlan id of the MAC address, in the range from 1 to 4094.
interface-id	Interface id of the MAC address.

Default

None

Command mode

Global configuration

Example

The following example binds the MAC address 001F.CE00.67ab to the interface g0/2 of VLAN 1:

Switch(config)# mac address-table static 001F.CE00.67ab vlan 1 interface g0/2

1.1.2 show mac address-table

Description

To display the content of the switch MAC address table, use the **show mac address-table** command.

show mac address-table {dynamic [interface *interface-id* | vlan *vlan-id*] | static}

Parameter

Parameter	Description

dynamic	The MAC address table that acquires dynamically.
interface-id	Interface name
vlan-id	VLAN ID, in the range from 1 to 4094.
static	The static MAC address table.

Default

None

Instruction

Use this command to display MAC address table.

Example

The following example displays all static MAC address tables:

```
Switch# show mac address-table
static Mac Address Table
-------------------------------------------
Vlan Mac Address Type Ports
---- ----------- ---- -----
All  0000.0000.0001  STATIC  CPU
All  0000.0000.0002  STATIC  CPU
All  0000.0000.0003  STATIC  CPU
All  0000.0000.0009  STATIC  CPU
All  0000.0000.0012  STATIC  CPU
All  0180.c200.000b  STATIC  CPU
All  0180.c200.000c  STATIC  CPU
All  0180.c200.000d  STATIC  CPU
All 0180.c200.0010 STATIC CPU
```

1.1.3   clear mac address-table

Description

To delete a dynamic MAC address, run **clear mac address-table**

clear mac address-table dynamic [address *mac-addr* | interface *interface-id* | vlan *vlan-id*]

Parameter

Parameter	Description
dynamic	The dynamic MAC address
address mac-addr	The MAC address. Value range: H.H.H.
interface-id	Layer 2 interface name.
vlan-id	VLAN ID, in the range from 1 to 4094.

Default

None

Command mode

EXEC

Example

The following example deletes all MAC addresses that acquire dynamically on interface f0/2:

Switch# clear mac address-table dynamic interface f0/2