

MAC Address List Characteristic Configuration Commands

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Chapter 1 MAC Access List Configuration Commands

1.1 MAC Access List Configuration Commands

- mac access-list
- permit
- deny
- mac access-group

1.1.1 mac access-list

description

To add a MAC access list, use the mac access-list command. To delete a MAC access list, use the mac access-list command.

[no] mac access-list *name*

parameter

parameter	Description
<i>name</i>	MAC access list name.

default

none

command mode

Global configuration mode

example

The following example establishes MAC access list named mac-acl:

```
Switch-config_# mac access-list mac-acl
Switch-config-macl#
```

1.1.2 permit

description

To add a permit entry to the MAC access list, use the permit command. Use the no form of this command to delete a permit entry from the MAC access list.

[no] permit {**any** | **host** *src-mac-addr*} {**any** | **host** *dst-mac-addr*}[*ethertype*]

parameter

parameter	description	Value range
any	Any value	—
host	Host	—
src-mac-addr	Source MAC address	H.H.H
dst-mac-addr	Destination MAC address	H.H.H
<i>ethertype</i>	Types of the matching ethernet data packet.	0-0xFFFF

default

deny all

command mode

MAC access list configuration mode

example

The following example permits host whose source MAC address is 1234.5678.abcd:

```
Switch-config-macl#permit host 1234.5678.abcd any 0x806
```

1.1.3 deny

description

To add a deny entry to the MAC access list, use the deny command. Use the no form of this command to delete a deny entry from the MAC access list.

[no] deny {any | host src-mac-addr} {any | host dst-mac-addr}[ethertype]

parameter

parameter	Description	Value range
any	Any value	—
host	Host	—
src-mac-addr	Source MAC address	H.H.H
dst-mac-addr	Destination MAC address	H.H.H
<i>ethertype</i>	Types of the matching ethernet data packet.	0-0xFFFF

default

deny all

comamnd mode

MAC access list configuration mode

example

The following example denies host whose source MAC address is 1234.5678.abcd:

```
Switch-config-macl#deny host 1234.5678.abcd any 0x806
```

1.1.4 mac access-group

description

To apply the configured MAC access list in global configuration mode, use the `mac access-group` command. Use the `no` form of this comand to delete the mac access-list.

[no] mac access-group *name*

parameter

parameter	Description
<i>name</i>	Name of the MAC access list.

default

No MAC access list is applied.

Command mode

Global configuration mode

example

The following example configures MAC access list named macacl:

```
Switch_config#mac access-group macacl
```