

MAC Access List Configuration

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Chapter 1 MAC Access-List Configuration

Access-list configuration includes:

Create MAC access-list

Configure items of MAC access-list

Apply MAC access-list

1.1 Configuring MAC Access-list tasks

1.1.1 Creating MAC access-list

A MAC access-list must be created first before applying it on the port. When a MAC access-list has been created, it enters MAC access-list configuration mode, under which items of MAC access-list can be configured.

Enter privilege mode and use the following steps to add or delete a MAC access-list.

Command	Purpose
Configure	Enter global configuration mode
[no] mac access-list name	Define/delete a MAC access list by using a name.

1.1.2 Configuring Items of MAC access-list

Command permit/deny can be used to configure the item that the MAC access-list permits or denies. A MAC access-list can configure several permit/deny items. In an access-list, the same items can only be configured once.

Enter MAC access-list configuration mode and use the following steps to configure items of a MAC access-list.

Command	Purpose
[no] {deny permit} {any host src-mac-addr} {any host dst-mac-addr}[ethertype]	In MAC access-list configuration mode, specify to permit or deny any source MAC address or a specific host source MAC address and any destination MAC address. ethertype specifies the type of matching Ethernet packets.
exit	Exit configuration mode of MAC access list and return to global

	access-list and return to global configuration mode.
exit	Return to administration mode
write	Save your entries in the configuration file.

Examples of access-list Configuration

```
Switch_config#mac acce 1
Switch-config-macl#permit host 1.1.1 any
Switch-config-macl#permit host 2.2.2 any
```

All configurations above compare source mac address and therefore have the same mask. The configuration is completed.

1.1.3 Applying MAC access list

A created MAC access-list can be applied in global configuration mode.

Enter global mode and configure MAC access-list as follow.

Command	Purpose
Configure	Enter global configuration mode.
[no] mac access-group <i>name</i>	Apply the created MAC access-list or delete the applied MAC access-list to the port. name specifies the title of MAC access-list.
exit	Return to global configuration mode.
exit	Return to administration mode.
write	Save the configuration.