

VLAN Access List Configuration Commands



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Chapter 1 VLAN Access-list Configuration Commands

1.1 VLAN Access-list Configuration Commands

1.1.1 vlan access-map

[no] vlan access-map *name*

To add a VLAN access list, use the vlan access-map command. To delete a VLAN access list, use the no form of this command

parameter

parameter	description
<i>name</i>	Name of VLAN access list. The range is 1 to 16 characters

default

none

mode

the global configuration mode

instruction

In the global configuration mode, switch will enter VLAN access list configuration mode after inputs vlan access-map command. In this mode, you can set the matches using match command, define actions using action command. The mode has the following commands:

- **action:** To set the processing actions(forward or discard)
- **Exit:** To exit VLAN access list configuration mode
- **Match:** To set the matches of IP address or MAC address
- **No:** To cancel a command

After configure VLAN access list, connect it with the specified VLAN using vlan filter command. A VLAN can have many VLAN access list. There is only one match operation and an action in a VLAN access list. The new match command will override the previous match command.

example

Add a VLAN access list named vlan-acl to forward IP packets matched IP access list.

```
Switch(config)#vlan access-map vlan-acl
Switch(config-access-map)#match ip address acl1
Switch(config-access-map)#action forward
```

1.1.2 action

action {drop | forward}

no action

To add action of VLAN access list, use the action command. To delete action of VLAN access list, use the no form of this command.

parameter

parameter	description
drop	Drop the packets that meet the demand
forward	Forward the packets that meet the demand

default

forward data packets

mode

VLAN access list configuration mode

instruction

The command can be configured before or after the match command. If the drop command is configured without configuring the match command, all data packets

example

See vlan access-map command

1.1.3 match

[no] match {*ip address* {*name*} [*name*] [*name*]...} | {*mac address* {*name*} [*name*] [*name*]...}

To add the matches of VLAN access list, use the match command. To delete the matches, use the no form of this command.

parameter

parameter	description
<i>ip address</i>	Define the match entry of IP address
<i>mac address</i>	Define the match entry of MAC address
<i>name</i>	Name of IP access list or MAC access list

default

none

mode

VLAN access list configuration mode

instruction

Configure 4 matched IP access list and 4 matched MAC access list in maximum.

example

See vlan access-map command

1.1.4 vlan filter

[no] vlan filter *mapname* **vlan-list** *list*

To add the matches of VLAN access list, use the vlan filter command. To delete matches of VLAN access list, use the no form of this command

parameter

Parameter	description
<i>mapname</i>	Name of VLAN access list
<i>list</i>	One or more VLAN access list. The pattern is x, a-g, z form. Use comma to separate VLAN ID. The range is 1 to 4094

default

none

mode

the global configuration mode

instruction

One VLAN access list can be configured on many VLAN

One VLAN can apply only one VLAN access list on it

example

Apply the VLAN access list named vlan-acl to VLAN 1, 3, 4, 5, 10

Switch(config)#vlan filter vlan-acl vlan-list 1, 3-5, 10