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Port isolation commands

community-vlan vlan

Use **community-vlan vlan** to configure community VLANs in an isolation group.

Use **undo community-vlan** to restore the default.

Syntax

```
community-vlan vlan { vlan-id-list | all }  
undo community-vlan
```

Default

An isolation group does not have any community VLANs.

Views

Isolation group view

Predefined user roles

network-admin

Parameters

vlan-id-list: Specifies a space-separated list of up to 10 VLAN items. Each item specifies a VLAN ID or a range of VLAN IDs in the format of *vlan-id1* to *vlan-id2*. The value range for VLAN IDs is 1 to 4094. The ID for *vlan-id2* must be equal to or greater than the ID for *vlan-id1*.

all: Specifies all VLANs in the isolation group.

Usage guidelines

To modify the community VLANs for an isolation group, execute the **undo community-vlan vlan** command to remove the existing community VLANs, and then execute the **community-vlan vlan** command.

This command is supported only in Release 6312P01 and later.

Examples

```
# Configure VLAN 3 as a community VLAN in isolation group 1.
```

```
<Sysname> system-view
```

```
[Sysname] port-isolate group 1
```

```
[Sysname-port-isolate-group1] community-vlan vlan 3
```

Related commands

```
display port-isolate group
```

display port-isolate group

Use **display port-isolate group** to display port isolation group information.

Syntax

```
display port-isolate group [ group-id ]
```

Views

Any view

Predefined user roles

network-admin
network-operator

Parameters

group-id: Specifies an isolation group by its ID. The value range is 1 to 8.

Examples

Display all isolation groups.

```
<Sysname> display port-isolate group
Port isolation group information:
Group ID: 1
Group members:
    Ten-GigabitEthernet1/0/1

Group ID: 5
Group members:
    Ten-GigabitEthernet1/0/2          Ten-GigabitEthernet1/0/4
Community VLAN ID: 3
```

Display information about isolation group 1.

```
<Sysname> display port-isolate group 1
Port isolation group information:
Group ID: 1
Group members:
    Ten-GigabitEthernet1/0/1
Community VLAN ID: 1(default), 2
```

Table 1 Command output

Field	Description
Group ID	ID of the isolation group.
Group members	Isolated ports in the isolation group. No ports indicates that the isolation group does not contain isolated ports.
Community VLAN ID	IDs of the community VLANs in the isolation group. The (default) attribute indicates that the VLAN is the default VLAN. None indicates that the isolation group does not contain community VLANs.

Related commands

`port-isolate enable`

port-isolate enable

Use `port-isolate enable` to assign a port to an isolation group.

Use `undo port-isolate enable` to remove a port from an isolation group.

Syntax

```
port-isolate enable group group-id  
undo port-isolate enable
```

Default

The port is not assigned to an isolation group.

Views

Layer 2 Ethernet interface view

Layer 2 aggregate interface view

Predefined user roles

network-admin

Parameters

group *group-id*: Specifies an isolation group by its ID. The value range is 1 to 8.

Usage guidelines

The configuration in Layer 2 Ethernet interface view applies only to the interface.

The configuration in Layer 2 aggregate interface view applies to the Layer 2 aggregate interface and its aggregation member ports. If the device fails to apply the configuration to the aggregate interface, it does not assign any aggregation member port to the isolation group. If the failure occurs on an aggregation member port, the device skips the port and continues to assign other aggregation member ports to the isolation group.

This command assigns a port to the default isolation group (isolation group 1). (Applicable to devices that support only one isolation group.)

To assign ports to an isolation group, make sure the isolation group already exists.

One port can be assigned to only one isolation group.

Examples

Assign Ten-GigabitEthernet 1/0/1 and Ten-GigabitEthernet 1/0/2 to isolation group 1.

```
<Sysname> system-view
[Sysname] interface ten-gigabitethernet 1/0/1
[Sysname-Ten-GigabitEthernet1/0/1] port-isolate enable group 1
[Sysname-Ten-GigabitEthernet1/0/1] quit
[Sysname] interface ten-gigabitethernet 1/0/2
[Sysname-Ten-GigabitEthernet1/0/2] port-isolate enable group 1
```

Related commands

display port-isolate group

port-isolate group

Use **port-isolate group** to create an isolation group.

Use **undo port-isolate group** to delete isolation groups.

Syntax

```
port-isolate group group-id
undo port-isolate group { group-id | all }
```

Default

No isolation groups exist.

Views

System view

Predefined user roles

network-admin

Parameters

group-id: Specifies an isolation group by its ID. The value range is 1 to 8.

a11: Deletes all isolation groups.

Examples

```
# Create isolation group 1.
```

```
<Sysname> system-view
```

```
[Sysname] port-isolate group 1
```