

Chapter 6: Port Isolation



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Chapter 6 Port Isolation

6.1 Port Isolation Overview

To implement Layer 2 isolation, you can add different ports to different VLANs. However, this will waste the limited VLAN resource. With port isolation, the ports can be isolated within the same VLAN. Thus, you need only to add the ports to the isolation group to implement Layer 2 isolation. This provides you with more secure and flexible networking schemes.

On the current device:

- Currently, only one isolation group is supported on a device, which is created automatically by the system as isolation group. The user cannot remove the isolation group or create other isolation groups.
- The number of the ports an isolation group can contain is total port number-1. Because isolated ports are downlink ports. There should be at least one uplink port.

Note:

When a port in an aggregation group is configured as the member of isolation group, the other ports of the aggregation group will not be downlink ports.

6.2 Configure Port Isolation

6.2.1 Add/remove Isolated Ports

Add a port to port-isolation group. The isolated port members cannot communicate with each other, but can only communicate with un-isolated port.

Operation	Command	Remarks
Enter global configuration mode	system-view	
Enter interface range configuration mode	interface range <i>interface-list</i>	
Configure port isolation	port-isolation uplink { ethernet gpon } <i>interface-num</i>	
Delete uplink port	undo port-isolation [uplink { ethernet gpon } <i>interface-num</i>]	

6.2.2 Display Port Isolation Configuration

Operation	Command	Remarks
Display isolate-port configuration	display port-isolation [ethernet <i>interface-list</i>]	Display isolate-port configuration