1 Storm Control Commands

Command	Function
show storm-control	Display storm control information.
storm-control	Enable packet storm control.

1.1 show storm-control

Function

Run the **show storm-control** command to display storm control information.

Syntax

show storm-control [*interface-type interface-number*]

Parameter Description

interface-type interface-number: Interface whose storm control information is displayed. If this parameter is not specified, storm control information of all interfaces is displayed.

Command Modes

All modes except the user EXEC mode

Default Level

14

Usage Guidelines

N/A

Examples

The following example displays storm control information of GigabitEthernet 0/1.

```
Hostname> enable
Hostname# show storm-control GigabitEthernet 0/1
Interface                 Broadcast Control Multicast Control Unicast Control
Action
------------------------ ----------------- ----------------- ---------------
--------
     GigabitEthernet 0/1        6400   pps        6400   pps      6400   pps
none
```

Table 1-1Output Fields of the show storm-control Command

Field	Description
Interface	Interface name
Broadcast Control	Storm control settings for broadcast packets
Multicast Control	Storm control settings for multicast packets
Unicast Control	Storm control settings for unicast packets
Action	Action

Notifications

N/A

Platform Description

N/A

Related Commands

- **storm-control**

1.2 storm-control

Function

Run the **storm-control** command to enable packet storm control.

Run the **no** form of this command to disable this feature.

Run the **default** form of this command to restore the default configuration.

Packet storm control is disabled by default.

Syntax

storm-control { **broadcast** | **multicast** | **unicast** } [**level** *percent* | **pps** *packets* | *rate*]

no storm-control { **broadcast** | **multicast** | **unicast** }

default storm-control { **broadcast** | **multicast** | **unicast** }

Parameter Description

broadcast: Enables storm control for broadcast packets.

multicast: Enables storm control for multicast packets.

unicast: Enables storm control for unicast packets.

level *percent*: Configures the allowed bandwidth percentage. The value range is from 1 to 100.

pps *packets*: Configures the allowed packet rate, in packets per second. The value range is from 2 to 1488095.

rate: Configures the allowed rate, in Kbit/s. The value range is from 64 to 1000000.

Command Modes

Interface configuration mode

Default Level

14

Usage Guidelines

When excessive broadcast, multicast, or unknown unicast packets are received through a port, a data packet storm occurs, which slows down the network speed and increases the timeout probability of packet transmission. A storm may occur when topology protocol execution or network configuration is incorrect.

Storm control can be implemented to limit broadcast, multicast, or unknown unicast data flows. When receiving excessive broadcast, multicast, or unknown unicast packets, a device will temporarily forbid forwarding of packets of the same type until the data flows become normal.

Examples

The following example enables storm control for multicast packets on GigabitEthernet 0/1 and sets the allowed rate to 4 Mbit/s.

```
Hostname> enable
Hostname# configure terminal
Hostname(config)# interface gigabitethernet 0/1
Hostname(config-if-GigabitEthernet 0/1)# storm-control multicast 4096
```

Notifications

N/A

Common Errors

N/A

Platform Description

N/A

Related Commands

N/A