

Monitoring Firewall Filter Traffic

You can monitor firewall filter traffic on EX-series switches.

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Monitoring Traffic for All Firewall Filters and Policers That Are Configured on the Switch

Purpose Perform the following task to monitor the number of packets and bytes that matched the firewall filters and monitor the number of packets that exceeded policer rate limits:

Action Use the operational mode command:

```
user@switch> show firewall
Filter: egress-vlan-watch-employee
Counters:
Name                                     Bytes      Packets
counter-employee-web                    3348        27
Filter: ingress-port-voip-class-limit-tcp-icmp
Counters:
Name                                     Bytes      Packets
icmp-counter                           4100        49
Policers:
Name                                     Packets
icmp-connection-policer                 0
tcp-connection-policer                  0
Filter: ingress-vlan-rogue-block
Filter: ingress-vlan-limit-guest
```

Meaning The `show firewall` command displays the names of all firewall filters, policers, and counters that are configured on the switch. The output fields show byte and packet counts for counters and packet count for policers.

Monitoring Traffic for a Specific Firewall Filter

Purpose Perform the following task to monitor the number of packets and bytes that matched a firewall filter and monitor the number of packets that exceeded the policer rate limits.

Action Use the operational mode command:

```
user@switch> show firewall filter ingress-vlan-rogue-block
Filter: ingress-vlan-rogue-block
Counters:
Name                                     Bytes      Packets
rogue-counter                           2308        20
```

Meaning The `show firewall filter filter-name` command displays the name of the firewall filter, the packet and byte count for all counters configured with the filter, and the packet count for all policers configured with the filter.

Monitoring Traffic for a Specific Policer

Purpose Perform the following task to monitor the number of packets that exceeded policer rate limits:

Action Use the operational mode command:

```
user@switch> show policer tcp-connection-policer
Filter: ingress-port-voip-class-limit-tcp-icmp
Policers:
Name                                     Packets
tcp-connection-policer                  0
```

Meaning The `show policer policer-name` command displays the name of the firewall filter that specifies the policer-action and displays the number of packets that exceeded rate limits for the specified filter.

- Related Topics**
- Configuring Firewall Filters (CLI Procedure)
 - Configuring Firewall Filters (J-Web Procedure)
 - Configuring Policers to Control Traffic Rates (CLI Procedure)
 - Example: Configuring Firewall Filters for Port, VLAN, and Router Traffic on EX-series Switches
 - Verifying That Firewall Filters Are Operational