

Chapter 6

Firewall Filters Monitoring and Troubleshooting

Table 26 summarizes the command-line interface (CLI) commands you can use to monitor firewall filters. In the table, the commands are grouped by functionality. In the remainder of this chapter, they are explained alphabetically.

Table 26: Commands for Monitoring and Managing Firewall Filters

Task or Information to Monitor	Command
Counters for firewall filters.	show firewall on page 302
Clear firewall filter counters.	clear firewall on page 301
Firewall filter log information.	show firewall log on page 303

clear firewall

Syntax	clear firewall (all counter <i>counter-name</i> filter <i>filter-name</i>)
Description	Display statistics about configured firewall filters.
Options	all—Clear the packet and byte counts for all filters. counter <i>counter-name</i> —Clear the packet and byte counts for a filter counter that has been configured with the counter firewall filter action. filter <i>filter-name</i> —Clear the packet and byte counts for the specified firewall filter.
Required Privilege Level	clear

show firewall

Syntax show firewall filter *filter-name*

Description Display statistics about configured firewall filters.

Options filter *filter-name*—Display information about a specific filter.

Required Privilege Level view

Output Fields Filter—Name of a filter that has been configured with the filter statement at the [edit firewall] hierarchy level.

Counter—Name of a filter counter that has been configured with the counter firewall filter action.

Packet count—Number of packets that matched the filter.

Byte count—Number of bytes that matched the filter.

Sample Output

```

user@host> show firewall filter hello1
Filter/Counter          Packet count      Byte count
ip-option-filter
  rr-count              27                3348
  ts-count              0                  0
  ssrr-count            0                  0
  lsrr-count            0                  0
  ra-count              11654             2493120

```

show firewall log

- Syntax** show firewall log <interface *interface-name*> <detail>
- Description** Display log information about firewall filters.
- Options** detail—Display detailed information.
 interface *interface-name*—(Optional) Display log information about a specific interface.
- Required Privilege Level** view
- Output Fields** Time—Time that the event occurred.
 Filter—Name of a filter that has been configured with the filter statement at the [edit firewall] hierarchy level. A hyphen (-) indicates that the packet was handled by the Packet Forwarding Engine. A space (no hyphen) indicates the packet was handled by the Routing Engine. pfe indicates packets logged from the PFE hardware filters.
 Act—Filter action:
 A—Accept
 D—Discard
 R—Reject
 Interface—Ingress interface for the packet.
 Pro—Packet's protocol name or number. It can be one of the following: egp, gre, icmp, ipip, ospf, pim, rsvp, tcp, or udp.
 Source address—Packet's source address.
 Destination address—Packet's destination address and port.

Sample Output

```

user@host> show firewall filter hello1
Filter/Counter          Packet count      Byte count
ip-option-filter
  rr-count              27                3348
  ts-count              0                  0
  ssrr-count            0                  0
  lsrr-count            0                  0
  ra-count              11654             2493120

```

show firewall log

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