Firewall Filter Configuration Statements Supported by JUNOS Software for EX-series Switches

You configure firewall filters to filter packets based on their components and to perform an action on packets that match the filter.

Table 1 on page 1 lists the options that are supported for the firewall statement in JUNOS Software for EX-series switches.

Table 1: Supported Options for Firewall Filter Statements

Statement and Option	Description
family *family-name* { }	The *family-name* option specifies the version or type of addressing protocol: ■ bridge or ethernet–switching—Filter Layer 2 (Ethernet) packets and Layer 3 (IP) packets ■ inet— Filter IPv4 packets
filter *filter-name* { }	The *filter-name* option identifies the filter. The name can contain letters, numbers, and hyphens (-) and can be up to 64 characters long. To include spaces in the name, enclose the name in quotation marks (" ").
term *term-name* { }	The *term-name* option identifies the term. The name can contain letters, numbers, and hyphens (-) and can be up to 64 characters long. To include spaces in the name, enclose the entire name in quotation marks (" "). Each term name must be unique within a filter.
from { *match-conditions;* }	The from statement is optional. If you omit it, all packets are considered to match.
then { *action*; *action-modifiers*; }	For information about the *action* and *action-modifiers* options, see Firewall Filter Match Conditions and Actions for EX-series Switches.
policer *policer-name* { }	The *policer-name* option identifies the policer. The name can contain letters, numbers, and hyphens (-) and can be up to 64 characters long. To include spaces in the name, enclose the name in quotation marks (" ").

Table 1: Supported Options for Firewall Filter Statements *(continued)*

Statement and Option	Description
if-exceeding { bandwidth-limit *bps* burst-size-limit *bytes* }	The bandwidth-limit *bps* option specifies the traffic rate in bits per second (bps). You can specify *bps* as a decimal value or as a decimal number followed by one of the following abbreviations: ■ k (thousand) ■ m (million) ■ g (billion, which is also called a thousand million) **Range**: 1000 (1k) through 102,300,000,000 (102.3g) bps The burst-size-limit *bytes* option specifies the maximum allowed burst size to control the amount of traffic bursting. To determine the value for the burst-size limit, you can multiply the bandwidth of the interface on which the filter is applied by the amount of time to allow a burst of traffic at that bandwidth to occur: burst size = bandwidth * allowable time for burst traffic You can specify a decimal value or a decimal number followed by k (thousand) or m (million). **Range**: 1 through 2,147,450,880 bytes
then { *policer-action* }	Use the *policer-action* option to specify discard to discard traffic that exceeds the rate limits.

JUNOS software for EX-series switches does not support some of the firewall filter statements that are supported by other JUNOS software packages. Table 2 on page 3 shows the firewall filter statements that are not supported by JUNOS Software for EX-series switches.

Table 2: Firewall Filter Statements That Are Not Supported byJUNOS Software for EX-series switches

Statements not supported	Statement hierarchy level
■ interface-set *interface-set-name* { } ■ load-balance-group *group-name* { } ■ three-color-policer *name* { } ■ logical-interface-policer; ■ single-rate { } ■ two-rate { }	[edit firewall]
■ prefix-action *name* { } ■ prefix-policer { } ■ service-filter *filter-name* { } ■ simple-filter *simple-filter-name* { }	[edit firewall family *family-name*]
■ accounting-profile *name*; ■ interface-specific;	[edit firewall family *family-name* filter *filter-name*]
■ filter-specific; ■ logical-bandwidth-policer; ■ logical-interface-policer;	[edit firewall policer *policer-name*]
bandwidth-percent *number*;	[edit firewall policer *policer-name* if-exceeding]

Related Topics

- Firewall Filter Match Conditions and Actions for EX-series Switches
- Example: Configuring Firewall Filters for Port, VLAN, and Router Traffic on EX-series Switches
- Configuring Firewall Filters (CLI Procedure)
- Configuring Policers to Control Traffic Rates (CLI Procedure)
- Firewall Filters for EX-series Switches Overview