

## secure ip classifier-list

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**Syntax** secure ip classifier-list *classifierName* { { classifier-auth-id { 0 } } | { [ traffic-class *trafficClassName* ]  
[ color { green | yellow | red } ] [ user-packet-class *userPacketClassValue* ]  
[ source-route-class *routeClassValue* ] [ destination-route-class *routeClassValue* ]  
[ local { true | false } ] [ not ] { *protocol* }  
[ not ] { *sourceAddress* *sourceMask* | host *sourceHostAddress* | any }  
[ *sourceQualifier* ]  
[ not ] { *destinationAddress* *destinationMask* | host *destinationHostAddress* | any }  
[ *destinationQualifier* ] [ *tcpQualifier* ] [ ip-flags *ipFlags* ]  
[ ip-frag-offset { eq 0 | eq 1 | gt 1 } ]  
[ precedence *precNum* | dsField *dsFieldNum* | tos *tosNum* ] } }

no secure ip classifier-list *classifierName* [ *classifierNumber* ] [ classifier-auth-id { 0 } ]

**Release Information** Command introduced in JUNOS Release 8.0.0.

**Description** Creates or modifies a secure classifier control list. Use the **not** keyword to deny traffic for a specific protocol, source address, or destination address. Use the **any** keyword to allow traffic to any source or destination address. The **no** version removes the classifier control list.

- Options**
- *classifierName*—Name of the classifier control list entry
  - *classifierAuthId*—Number of the authentication ID to match (0)
  - *trafficClassName*—Name of the traffic class to match
  - green—Matches packet color to green, indicating a low drop preference
  - yellow—Matches packet color to yellow, indicating a medium drop preference
  - red—Matches packet color to red, indicating a high drop preference
  - *userPacketClassValue*—User packet value to match; in the range 0–15
  - *routeClassValue*—Value of the route-class; in the range 0–255
  - local—Specifies traffic destined for this interface
    - true—Matches packets that are locally destined
    - false—Matches packets that are not locally destined
  - not—Matches any except the immediately following protocol or address
  - *protocol*—Protocol name (IGMP, IP, TCP, or UDP) or number (in the range 0–255) to match
  - *sourceAddress*—Source address to match
  - *sourceMask*—Wild-card mask to apply to the source address
  - host—Matches source or destination address as a host
  - *sourceHostAddress*—Source host address to match

- **any**—Matches any source or destination address
- **sourceQualifier**—For UDP or TCP protocols, one of the following protocol-specific classifier parameters. See *Creating or Modifying Classifier Control Lists for IP Policy Lists* in the *JUNOS Policy Management Configuration Guide*, for details.
  - **portOperator**—One of the following Boolean operator keywords: **lt** (less than), **gt** (greater than), **eq** (equal to), **ne** (not equal), or **range** (range of port numbers)
  - **range**—Single port number or a range of port numbers
- **destinationAddress**—Destination address to match
- **destinationMask**—Wild-card mask to apply to the destination address
- **destinationHostAddress**—Destination host address to match
- **destinationQualifier**—One of the following protocol-specific classifier parameters for destination TCP or UDP ports, ICMP code and type, or IGMP type. The **portOperator** and port range are used with TCP and UDP. The **icmpType**, **icmpCode**, and **igmpType** parameters are used with ICMP and IGMP.
  - **portOperator**—one of the following Boolean operator keywords: **lt** (less than), **gt** (greater than), **eq** (equal to), or **ne** (not equal), or **range** (range of port numbers) (TCP and UDP only)
  - **range**—Single port number or a range of port numbers
  - **icmpType**—ICMP message type (ICMP only)
  - **icmpCode**—ICMP message code (ICMP only)
  - **igmpType**—IGMP message type (IGMP only)
- **tcpQualifier**—TCP flags classification parameters
- **tcpFlag**—For TCP only; a logic equation that specifies flag bit values; ! means logical NOT and & means logical AND; use any of the following flag names:
  - **ack**—0x10
  - **fin**—0x01
  - **push**—0x08
  - **rst**—0x04
  - **syn**—0x02
  - **urgent**—0x20
- **ipFlags**—Logic equation that specifies flag bit values; ! means logical NOT and & means logical AND; use any of the following flag names:
  - **dont-fragment**—0x02
  - **more-fragments**—0x01
  - **reserved**—0x04

- **ip-frag-offset**—Matches the specified IP fragmentation offset; use any of the following:
  - **eq 0**—Equals 0
  - **eq 1**—Equals 1
  - **gt 1**—Greater than 1
- **precNum**—Upper three bits of the ToS byte; in the range 0–7
- **dsFieldNum**—Upper six bits of the ToS byte; in the range 0–63
- **tosNum**—Whole eight bits of the ToS byte; in the range 0–255
- **classifierNumber**—Index of the classifier control list entry to be deleted

**Mode** Global Configuration

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