

## snmp-server host

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**Syntax** To specify the SNMP version, community, UDP port, trap category and trap severity:

```
snmp-server host ipAddress [ version ver ] securityString [ udp-port port ]  
[ trapCategory ]* [ trapFilters trapFilter ]
```

```
no snmp-server host ipAddress
```

To specify the ping timeout and trap queue:

```
snmp-server host ipAddress pingTimeOut timeOutValue  
[ trapQueue { drainRate queueDrainRate | full queueFull |  
size queueSize }  
[ drainRate queueDrainRate | full queueFull | size queueSize ]*
```

```
snmp-server host ipAddress trapQueue  
{ drainRate queueDrainRate | full queueFull | size queueSize }  
[ drainRate queueDrainRate | full queueFull | size queueSize ]*  
[ pingTimeOut timeOutValue ]
```

```
no snmp-server host ipAddress { pingTimeOut | trapQueue { drainRate | full | size  
} }
```

**Release Information** Command introduced before JUNOS Release 7.1.0.  
**ip** keyword added in JUNOS Release 7.1.0.  
**packetMirror** keyword added in JUNOS Release 7.2.0.

**Description** Configures one or more hosts to receive an SNMP trap. The **no** version removes the specified host from the list of recipients.

- Options**
- *ipAddress*—IP address of the SNMP trap recipient
  - *ver*—SNMP protocol version for traps sent to host; one of the following values:  
v1, v2c, or v3
  - *securityString*—SNMP community string
  - *port*—UDP port number of SNMP trap recipient
  - *trapCategory*—SNMP trap category
    - *addrPool*—Local address pool traps
    - *atmPing*—E-series router proprietary ATM ping traps
    - *bfdmib*—BFD MIB traps
    - *bgp*—BGP state change traps
    - *bulkstats*—Bulkstats file full and nearly full traps
    - *cliSecurityAlert*—Security alerts traps
    - *dosProtectionPlatform*—DoS protection platform traps

- dvmrp—DVMRP traps
- dvmrpUni—E-series router proprietary DVMRP traps
- environment—Power/temperature/fan traps
- fileXfer—File transfer status change traps
- inventory—Router inventory/status traps
- ip—Internet Protocol traps
- ldp—LDP traps
- link—SNMP linkUp/linkDown traps
- log—System log capacity traps
- mobileIpv4—Mobile IPv4 traps
- mplste—Mplste traps
- mrouter—Mrouter traps
- packetMirror—Secure packet mirroring traps; visible only if packet mirroring is enabled
- ospf—OSPF traps
- ping—Ping operation traps (in disman remops MIB)
- radius—RADIUS traps
- snmp—SNMP coldstart, warmstart, link, authenticationFailure traps
- traceroute—Traceroute operation traps (in disman remops MIB)
- \*—Indicates that one or more parameters can be repeated multiple times in a list in the command line
- *trapFilter*—Minimum severity level for filtering traps sent to this host
  - alert—Severity level 1
  - critical—Severity level 2
  - debug—Severity level 7
  - emergency—Severity level 0
  - error—Severity level 3
  - informational—Severity level 6
  - notice—Severity level 5
  - warning—Severity level 4
- *timeOutValue*—Ping timeout in minutes, in the range 1–90; default value is 1
- *trapQueue*—Configures the SNMP trap queue for traps sent to this host

- *queueDrainRate*—Maximum number of traps per second to be sent to the host, in the range 0–2147483647; default value is 0
- *queueFull*—Method used to drop traps when the trap queue is full
  - *dropFirstIn*—Drops the oldest trap in the queue
  - *dropLastIn*—Drops the most recent trap added to the queue
- *queueSize*—Maximum number of traps to be kept in the trap queue, in the range 32–214748364; default value is 32

**Mode** Global Configuration

**Related Topics** ■ Monitoring SNMP Secure Packet Mirroring Traps

