

## snmp-server enable traps

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**Syntax** To enable and configure trap severity level on a global basis:

```
[ no ] snmp-server enable traps [ trapCategory | snmp authentication ]  
[ trapfilters trapFilter ]
```

To specify the trap severity level on a per-category basis:

```
snmp-server enable traps { trapCategory | snmp authentication }  
per-category-trapFilters trapFilter
```

**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.  
**per-category-trapFilters** keyword added in JUNOS Release 9.3.0.

**Description** Enables and configures global and category-level SNMP trap generation. The **no** version disables SNMP trap generation globally. There is no **no** version for the command to specify the trap severity level on a per-category basis.

- Options**
- *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
    - *dhcp*—DHCP traps
    - *dismanEvent*—Distributed management (disman) event traps
    - *dosProtectionPlatform*—DoS protection platform traps
    - *dvmrp*—DVMRP traps
    - *dvmrpProp*—E-series router proprietary DVMRP traps
    - *environment*—Power, temperature, fan, and memory utilization traps
    - *fileXfer*—File transfer status change traps
    - *haRedundancy*—High availability and redundancy traps
    - *inventory*—Router inventory and status traps
    - *ip*—Internet Protocol traps
    - *ldp*—LDP traps

- link—SNMP linkUp and linkDown traps
- log—System log capacity traps
- mobileIpv4—Mobile IPv4 traps
- mplste—Mplste traps
- mrouter—Mrouter traps
- ntp—E-series router proprietary traps
- ospf—OSPF traps
- packetMirror—Secure packet mirroring traps; visible only if packet mirroring is enabled
- pim—PIM traps
- ping—Ping operation traps (in disman remops MIB)
- radius—RADIUS authentication and authorization servers
- routeTable—Maximum route limit and warning threshold traps; when this trap is generated, the actual value of the exceeded warning threshold is displayed
- sonet—SONET traps
- snmp—SNMP coldStart, warmStart, link, and authenticationFailure traps
- traceroute—Traceroute operation traps (in disman remops MIB)
- vrrp—VRRP traps
- snmp—Specifies the SNMP coldStart, warmStart, and authenticationFailure traps
- authentication—Specifies the SNMP authenticationFailure trap
- *trapFilters*—Specifies the trap severity level at a global level; if the per-category trap severity level is not set for a particular category, this setting is applied to that category
- *trapFilter*—Minimum severity level for filtering traps at a global level or for a specified category
  - emergency—Severity level 0
  - alert—Severity level 1
  - critical—Severity level 2
  - error—Severity level 3
  - warning—Severity level 4
  - notice—Severity level 5
  - informational—Severity level 6
  - debug—Severity level 7

- `per-category-trapFilters`—Specifies the trap severity level for a particular category; this setting overrides the severity level set at the global level for this category
- `trapFilter`—Minimum severity level for filtering traps for the specified category

**Mode** Global Configuration

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

