

Configuring SNMP on a Device Running JUNOS Software

By default, SNMP is disabled on devices running JUNOS Software. To enable SNMP on a router or switch, you must include the SNMP configuration statements at the [edit snmp] hierarchy level.

To configure the minimum requirements for SNMP, include the following statements at the [edit snmp] hierarchy level of the configuration:

```
[edit]
snmp {
  community public;
}
```

The community defined here as `public` grants read access to all MIB data to any client.

To configure complete SNMP features, include the following statements at the [edit snmp] hierarchy level:

```
snmp {
  client-list client-list-name {
    ip-addresses;
  }
  community community-name {
    authorization authorization;
    client-list-name client-list-name;
    clients {
      address restrict;
    }
    routing-instance routing-instance-name {
      clients {
        addresses;
      }
    }
    logical-system logical-system-name {
      routing-instance routing-instance-name {
        clients {
          addresses;
        }
      }
    }
  }
  view view-name;
}
contact contact;
description description;
engine-id {
  (local engine-id | use-mac-address | use-default-ip-address);
}
filter-duplicates;
health-monitor {
  falling-threshold integer;
  interval seconds;
  rising-threshold integer;
}
```

```

interface [ interface-names ];
location location;
name name;
nonvolatile {
    commit-delay seconds;
}
rmon {
    alarm index {
        description text-description;
        falling-event-index index;
        falling-threshold integer;
        falling-threshold-interval seconds;
        interval seconds;
        request-type (get-next-request | get-request | walk-request);
        rising-event-index index;
        sample-type type;
        startup-alarm alarm;
        syslog-subtag syslog-subtag;
        variable oid-variable;
    }
    event index {
        community community-name;
        description text-description;
        type type;
    }
}
traceoptions {
    file filename <files number> <size size> <world-readable | no-world-readable>
    <match regular-expression>;
    flag flag;
}
trap-group group-name {
    categories {
        category;
    }
    destination-port port-number;
    routing-instance instance;
    targets {
        address;
    }
    version (all | v1 | v2);
}
trap-options {
    agent-address outgoing-interface;
    source-address address;
}
view view-name {
    oid object-identifier (include | exclude);
}
}

```

- Related Topics**
- Understanding the SNMP Implementation in JUNOS Software
 - Configuration Statements at the [edit snmp] Hierarchy Level

- Complete SNMPv3 Configuration Statements

Published: 2010-04-27