

Configuration Statements at the [edit snmp] Hierarchy Level

This topic shows all possible configuration statements at the [edit snmp] hierarchy level and their level in the configuration hierarchy. When you are configuring JUNOS Software, your current hierarchy level is shown in the banner on the line preceding the user@host# prompt.

For a list of the complete configuration statement hierarchy, see the *JUNOS Software Hierarchy and Standards Reference*.

```
[edit]
snmp {
  client-list client-list-name {
    ip-addresses;
  }
  community community-name {
    authorization authorization;
    client-list-name client-list-name;
    clients {
      address restrict;
    }
    view view-name;
  }
  contact contact;
  description description;
  engine-id {
    (local engine-id | use-default-ip-address | use-mac-address);
  }
  filter-duplicates;
  interface [ interface-names ];
  location location;
  name name;
  nonvolatile {
    commit-delay seconds;
  }
  rmon {
    alarm index {
      description 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;
      rising-threshold integer;
      sample-type type;
      startup-alarm alarm;
      syslog-subtag syslog-subtag;
      variable oid-variable;
    }
    event index {
      community community-name;
      description 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;
}
v3 {
    notify name {
        tag tag-name;
        type (trap | inform);
    }
    notify-filter profile-name {
        oid oid (include | exclude);
    }
    snmp-community community-index {
        community-name community-name;
        security-name security-name;
        tag tag-name;
    }
    target-address target-address-name {
        address address;
        address-mask address-mask;
        inform-timeout number;
        inform-retry-count seconds;
        port port-number;
        routing-instance instance;
        tag-list tag-list;
        target-parameters target-parameters-name;
    }
    target-parameters target-parameters-name {
        notify-filter profile-name;
        parameters {
            message-processing-model (v1 | v2c | v3);
            security-level (authentication | none | privacy);
            security-model (usm | v1 | v2c);
            security-name security-name;
        }
    }
}
usm {

```

```

local-engine {
  user username {
    authentication-md5 {
      authentication-password authentication-password;
    }
    authentication-none;
    authentication-sha {
      authentication-password authentication-password;
    }
    privacy-3des {
      privacy-password privacy-password;
    }
    privacy-aes128 {
      privacy-password privacy-password;
    }
    privacy-des {
      privacy-password privacy-password;
    }
    privacy-none;
  }
}
}
vacm {
  access {
    group group-name {
      default-context-prefix {
        security-model (any | usm | v1 | v2c) {
          security-level (authentication | none | privacy) {
            notify-view view-name;
            read-view view-name;
            write-view view-name;
          }
        }
      }
    }
  }
}
security-to-group {
  security-model (usm | v1 | v2c) {
    security-name security-name {
      group group-name;
    }
  }
}
}
}
view view-name {
  oid object-identifier (include | exclude);
}
}
}

```

Related Topics ■ Understanding the SNMP Implementation in JUNOS Software

- Configuring SNMP on a Device Running JUNOS Software

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