

## Chapter 2

# Complete Network Management Configuration Statements

This chapter shows the complete configuration statement hierarchy for the portions of the configuration discussed in this manual, listing all possible configuration statements and showing their level in the configuration hierarchy. When you are configuring the 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 System Basics Configuration Guide*.

This chapter is organized as follows:

[edit accounting-options] Hierarchy Level on page 7

[edit snmp] Hierarchy Level on page 8

## [edit accounting-options] Hierarchy Level

---

```
[edit]
accounting-options {
  class-usage-profile profile-name {
    file filename;
    interval minutes;
    destination-classes {
      destination-class-name;
    }
    source-classes {
      source-class-name;
    }
  }
  file filename
  archive-sites
    site-name
```

```

        files filename;
        size bytes;
        transfer-interval minutes;
    }
    filter-profile profile-name {
        counters {
            counter-name;
        }
        file filename;
        interval minutes;
    }
}
interface-profile profile-name {
    fields {
        field-name;
    }
    file filename;
    interval minutes;
}
routing-engine-profile profile-name {
    fields {
        field-name;
    }
    file filename;
    interval minutes;
}
}

```

## [edit snmp] Hierarchy Level

---

```

[edit]
snmp {
    community community-name {
        authorization authorization;
        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;

```

```

    interval seconds;
    rising-event-index index;
    rising-threshold integer;
    sample-type type;
    startup-alarm alarm;
    variable oid-variable;
}
event index {
    community community-name;
    description description;
    type type;
}
}
traceoptions {
    file size size files number;
    flag flag;
}
trap-group group-name {
    categories [ categories ];
    destination-port <port-number>;
    targets {
        address;
    }
    version (all | v1 | v2);
}
trap-options {
    agent-address outgoing-interface;
    source-address address;
}
v3 {
    notify name {
        tag tag-name;
        type trap;
    }
    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;
        port <port-number>;
        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-model (usm | v1 | v2c);
            security-level (authentication | none | privacy);
            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);
}
}

```