

Chapter 17

System Management Configuration Statements

To configure system management, you can include the following statements in the configuration:

```
system {
  authentication-order [ authentication-methods ];
  backup-router address <destination destination-address>;
  default-address-selection;
  dhcp-relay (server address | disable);
  diag-port-authentication (encrypted-password "password" | plain-text-password);
  domain-name domain-name;
  domain-search [ domain-list ];
  host-name host-name;
  location {
    altitude feet;
    country-code code;
    hcoord horizontal-coordinate;
    lata service-area;
    latitude degrees;
    longitude degrees;
    npa-nxx number;
    postal-code postal-code;
    vcoord vertical-coordinate;
  }
  login {
    message text;
    class class-name {
      allow-commands "regular-expression";
      deny-commands "regular-expression";
      idle-timeout minutes;
      permissions [ permissions ];
    }
    user user-name {
      full-name complete-name;
      uid uid-value;
      class class-name;
      authentication {
        (encrypted-password "password" | plain-text-password);
        ssh-rsa "public-key";
      }
    }
  }
}
name-server {
  address;
}
no-redirects;
```

```

ntp {
  authentication-key key-number type type value password;
  boot-server address;
  broadcast <address> <key key-number> <version value> <tll value>;
  broadcast-client;
  multicast-client <address>;
  peer address <key key-number> <version value> <prefer>;
  server address <key key-number> <version value> <prefer>;
  trusted-key [ key-numbers ];
}
ports {
  auxiliary {
    insecure;
    speed baud-rate;
    type terminal-type;
  }
  console {
    insecure;
    speed baud-rate;
    type terminal-type;
  }
}
processes {
  inet-process (enable | disable);
  interface-control (enable | disable);
  mib-process (enable | disable);
  ntp (enable | disable);
  routing (enable | disable);
  snmp (enable | disable);
  watchdog (enable | disable) <timeout seconds>;
}
radius-server server-address {
  port number;
  retry number;
  secret password;
  timeout seconds;
}
root-authentication {
  (encrypted-password "password" | plain-text-password);
  ssh-rsa "public-key";
}
services {
  finger <connection-limit limit> <rate-limit limit>;
  ssh <connection-limit limit> <rate-limit limit>;
  telnet <connection-limit limit> <rate-limit limit>;
}
static-host-mapping {
  host-name {
    inet [ address ];
    sysid system-identifier;
    alias [ alias ];
  }
}

```

```
syslog {
  file filename {
    facility level;
    archive {
      files number;
      size size;
      (world-readable | no-world-readable);
    }
  }
  host hostname {
    facility level;
    facility-override facility;
    log-prefix string;
  }
  user (username | *) {
    facility level;
  }
  console {
    facility level;
  }
  archive {
    files number;
    size size;
    (world-readable | no-world-readable);
  }
}
tacplus-server server-address {
  secret password;
  single-connection;
  timeout seconds;
}
time-zone time-zone;
}
```

