

Chapter 19

System Management Configuration Statements

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

```
system {
  accounting {
    events [ login change-log interactive-commands ];
    destination {
      tacplus {
        server {
          server-address {
            secret password;
            single-connection;
            source-address source-address;
            timeout seconds;
            port <port-number>;
          }
        }
      }
    }
  }
  archival {
    configuration {
      transfer-interval interval;
      transfer-on-commit;
      archive-sites {
        ftp://<username>:<password>@<host>:<port>/<url-path>;
      }
    }
  }
  authentication-order [ authentication-methods ];
  backup-router address <destination destination-address>;
  compress-configuration-files;
  default-address-selection;
}
```

```

diag-port-authentication {
  disable;
  maximum-hop-count;
  minimum-wait-time seconds;
  server [ address ];
  interface interface-group {
    no-listen;
    maximum-hop-count;
    minimum-wait-time seconds;
    server [ address ];
  }
}
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";
    allow-configuration "regular-expression";
    deny-commands "regular-expression";
    deny-configuration "regular-expression";
    idle-timeout minutes;
    no-tip;
    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";
      ssh-dsa "public-key";
    }
  }
}
mirror-flash-on-disk;
name-server {
  address;
}
no-redirects;
no-saved-core-context;

```

```

ntp {
  authentication-key key-number type type value password;
  boot-server address;
  broadcast <address> <key key-number> <version value> <ttl value>;
  broadcast-client;
  multicast-client <address>;
  peer address <key key-number> <version value> <prefer>;
  source-address source-address;
  server address <key key-number> <version value> <prefer>;
  trusted-key [ key-numbers ];
}
ports {
  auxiliary {
    type terminal-type;
  }
  console {
    insecure;
    log-out-on-disconnect;
    type terminal-type;
  }
}
processes {
  disk-monitoring (enable | disable);
  inet-process (enable | disable) failover (alternate-media |
    other-routing-engine);
  interface-control (enable | disable) failover (alternate-media |
    other-routing-engine);
  mib-process (enable | disable) failover (alternate-media |
    other-routing-engine);
  ntp (enable | disable) failover (alternate-media | other-routing-engine);
  routing (enable | disable) failover (alternate-media | other-routing-engine);
  snmp (enable | disable) failover (alternate-media | other-routing-engine);
  watchdog (enable | disable) failover (alternate-media | other-routing-engine)
    timeout seconds;
}
radius-server server-address {
  port number;
  retry number;
  secret password;
  source-address source-address;
  timeout seconds;
}
root-authentication {
  (encrypted-password "password" | plain-text-password);
  ssh-rsa "public-key";
  ssh-dsa "public-key";
}
services {
  finger <connection-limit limit> <rate-limit limit>;
  ftp <connection-limit limit> <rate-limit limit>;
  rlogin <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 | other-routing-engine) {
    facility level;
    facility-override facility;
    log-prefix string;
  }
  source-address source-address;
  time-format (year | millisecond | year millisecond);
  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;
  source-address source-address;
  timeout seconds;
}
time-zone time-zone;
}

```