

# 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;
            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-expressionZ";
        deny-configuration "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";
            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>;
    server address <key key-number> <version value> <prefer>;
    trusted-key [ key-numbers ];
}
ports {
    auxiliary {
        type terminal-type;
    }
    console {
        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;
    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 {
        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;
}
```