

## ethernet

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```
Syntax ethernet {
  connectivity-fault-management {
    action-profile profile-name {
      default-actions {
        interface-down;
      }
    }
  }
  performance-monitoring {
    hardware-assisted-timestamping;
  }
  linktrace {
    age (30m | 10m | 1m | 30s | 10s);
    path-database-size path-database-size;
  }
  maintenance-domain domain-name {
    level number;
    name-format (character-string | none | dns | mac+2octet);
    maintenance-association ma-name {
      short-name-format (character-string | vlan | 2octet | rfc-2685-vpn-id);
      continuity-check {
        hold-interval minutes;
        interval (10m | 10s | 1m | 1s | 100ms);
        loss-threshold number;
      }
      mep mep-id {
        action-profile profile-name;
        auto-discovery;
        direction (up | down);
        interface interface-name;
        priority number;
        remote-mep mep-id {
          action-profile profile-name;
        }
      }
    }
  }
}
evcs evc-id {
  evc-protocol cfm management-domain domain-id (<management-association
  association-id> | vpls (routing-instance instance-id);
  remote-uni-count count;
  multipoint-to-multipoint;
}
link-fault-management {
  action-profile profile-name {
    action {
      link-down;
      send-critical-event;
      syslog;
    }
    event {
```

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        link-adjacency-loss;
        link-event-rate {
            frame-error count;
            frame-period count;
            frame-period-summary count;
            symbol-period count;
        }
        protocol-down;
    }
}
interface interface-name {
    apply-action-profile;
    link-discovery (active | passive);
    pdu-interval interval;
    pdu-threshold threshold-value;
    remote-loopback;
    event-thresholds {
        frame-error count;
        frame-period count;
        frame-period-summary count;
        symbol-period count;
    }
    negotiation-options {
        allow-remote-loopback;
        no-allow-link-events;
    }
}
}
lmi {
    status-counter count;
    polling-verification-timer value;
    interface name {
        uni-id uni-name;
        status-counter number;
        polling-verification-timer value;
        evc-map-type (all-to-one-bundling | bundling | service-multiplexing);
        evc evc-name {
            default-evc;
            vlan-list vlan-id-list;
        }
    }
}
}
}

```

**Hierarchy Level** [edit protocols oam]

**Release Information** Statement introduced in JUNOS Release 8.2.

**Description** For Ethernet interfaces on M320, MX Series, and T Series routers, provide fault signaling and detection for 802.3ah Operation, Administration, and Management (OAM) support.

The remaining statements are explained separately.

**Required Privilege Level** interface—To view this statement in the configuration.  
interface-control—To add this statement to the configuration.

- Related Topics**
- Enabling IEEE 802.3ah OAM Support
  - Example: Configuring Connectivity Fault Management for a PBB Network on MX Series Routers

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