

## ethernet oam lfm link-monitor symbol-period

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**Syntax** [ no ] ethernet oam lfm link-monitor symbol-period { threshold { high { *highFrames* | none } | low *lowFrames* } | window *period* }

**Release Information** Command introduced in JUNOS Release 11.1.0.

**Description** Configures a threshold value for symbol error events that triggers an action or causes an Error Symbol Period TLV to be sent to the OAM entity, or a period of time in which symbol error events are counted. The **no** version disables monitoring of received symbol error events.



**NOTE:** You can configure this command multiple times to configure combinations of high and low threshold values or a window period for frame error events.

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- Options**
- link-monitor—Configures link monitoring parameters. Link monitoring operations start automatically when Ethernet OAM is enabled on an interface. When link monitoring operations are disabled, the interface does not actively send or receive Event Notification OAM PDUs
  - symbol-period—Configures the threshold value or window for symbol error events
  - threshold—Configures a period or a value at, above, or below which an action is triggered
  - *highSymbols*—Integer in the range 1–65535 that is the high threshold in number of symbol error seconds, which when exceeded causes an action to be triggered. The action that the local OAM entity performs when the high threshold value is exceeded depends on the value configured using the **ethernet oam lfm high-threshold** command. There is no default value. If you specify a high threshold option for frame period summary error events, you must also enter the number of frames, which when exceeded causes the configured action to be taken
  - none—Removes the high threshold value for symbol error events
  - *lowSymbols*—Integer in the range 0–65535 that is the low threshold in number of symbol error seconds, which when exceeded causes an Error Symbol Period TLV to be sent to the peer; default value is 0 symbol error seconds. If you do not configure a low threshold for symbol error events, the Link Fault critical event PDU is not sent to the peer
  - *period*—A window and period of time during which symbol error events are counted. Integer in the range 1–60 seconds that is the monitoring period for symbol errors; there is no default value

**Mode** Interface Configuration

- Related Topics**
- OAM Link Monitoring Feature
  - Configuring 802.3ah OAM Link-Fault Management
  - ethernet oam lfm link-monitor symbol-period on page 1
  - ethernet oam lfm link-monitor frame-seconds
  - Example: Configuring 802.3ah OAM Link-Fault Management and Enabling Remote Failure Monitoring on an Interface

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