

Monitoring OAM Link-Fault Management Statistics for an Interface

Purpose Display detailed information about the Ethernet OAM link-fault management packets that are processed by a particular interface, such as the number of Information OAM PDUs transmitted and received, the number of Event Notification PDUs transmitted and received, Duplicate Event Notification PDUs transmitted and received, and Loopback Control PDUs transmitted and received.

Action To display details about the Ethernet OAM link-fault management packets that are analyzed by a specific interface:

```
host1#show ethernet oam lfm statistics GigabitEthernet 4/1
GigabitEthernet 4/1
In:
Information OAMPDUs                :291
Event Notification OAMPDUs        :1
  Errored Frame                   :1
  Errored Symbol                  :0
Duplicate Event Notification OAMPDUs :0
Loopback Control OAMPDUs          :0
Unsupported OAMPDUs               :0

Out:
Information OAMPDUs                :291
Event Notification OAMPDUs        :0
  Errored Frame                   :0
  Errored Symbol                  :0
Loopback Control OAMPDUs          :0
Duplicate Event Notification OAMPDUs :0
```

Meaning Table 1 lists the **show ethernet oam lfm statistics** command output fields.

Table 1: show ethernet oam lfm statistics Output Fields

Field Name	Field Description
Interface type/name <i>interfaceSpecifier</i>	Name and type of the Ethernet interface, in the interface specifier format, for which link-fault management packet details are displayed
In	Details about the types of PDUs that are sent from the interface
Information OAMPDUs	Number of Information OAM PDUs transmitted from the interface to the remote peer
Event Notification OAMPDUs	Number of unique Event Notification PDUs transmitted from the interface, when the number of errors equals or exceeds the configured low threshold for a specified time period. A breakdown of the types of errors that resulted in the generation of an Event Notification PDU is also displayed
Errored Frame	Number of errored frame event TLVs that have been transmitted since the OAM sublayer was reset

Table 1: show ethernet oam lfm statistics Output Fields (continued)

Field Name	Field Description
Errored Symbol	Number of symbols error event TLVs that have been transmitted since the OAM sublayer was reset
Errored Frame Seconds Summary	Number of framed seconds error event TLVs that have been transmitted since the OAM sublayer was reset
Loopback Control OAMPDUs	Total number of loopback control PDUs transmitted
Duplicate Event Notification OAMPDUs	Number of duplicate event notification OAM PDUs transmitted
Unsupported OAMPDUs	Number of unsupported OAM PDUs sent
Out	Details about the types of PDUs that are received on the interface
Information OAMPDUs	Number of Information OAM PDUs received on the interface from the remote peer
Event Notification OAMPDUs	Number of unique Event Notification PDUs received on the interface, when the number of errors equals or exceeds the configured low threshold for a specified time period. A breakdown of the types of errors that resulted in the generation of an Event Notification PDU is also displayed
Errored Frame	Number of errored frame event TLVs that have been received since the OAM sublayer was reset
Errored Symbol	Number of symbols error event TLVs that have been received since the OAM sublayer was reset
Errored Frame Seconds Summary	Number of framed seconds error event TLVs that have been received since the OAM sublayer was reset
Loopback Control OAMPDUs	Total number of loopback control PDUs received
Duplicate Event Notification OAMPDUs	Number of duplicate event notification OAM PDUs received
Unsupported OAMPDUs	Number of unsupported OAM PDUs received
	Based on the counts displayed for the supported OAM PDUs in the corresponding fields, you can determine additional details, such as the number of Variable Request PDUs, by viewing the value displayed in the Unsupported OAM PDUs field and comparing it against the total number of all supported OAM PDUs

Related Topics ■ Configuring 802.3ah OAM Link-Fault Management

- show ethernet oam lfm statistics

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