



View the different types of iSCSI statistics

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View the different types of iSCSI statistics

You can review different sets of statistics as either raw or baseline statistics: Ethernet MAC statistics, Ethernet TCP/IP statistics, Target (protocol) statistics, Local initiator (protocol) statistics, DCBX operational state statistics, LLDP TLV statistics, and DCBX TLV statistics.

MAC transmit and MAC receive statistics

When you select Ethernet MAC statistics, these MAC transmit statistics appear. You can view each of these statistics as raw statistics or as baseline statistics.

| Statistic | Definition |
|-----------|---------------------------------|
| F | Frame count |
| B | Byte count |
| MF | Multicast frame count |
| BF | Broadcast frame count |
| PF | Pause frame count |
| CF | Control frame count |
| FDF | Frame deferral count |
| FED | Frame excess deferral count |
| FLC | Frame late collisions count |
| FA | Frame abort count |
| FSC | Frame single collision count |
| FMC | Frame multiple collisions count |
| FC | Frame collision count |
| FDR | Frame dropped count |
| JF | Jumbo frame count |

When you select Ethernet MAC statistics, these MAC receive statistics appear.

| Statistic | Definition |
|------------------|-----------------------------|
| F | Frame count |
| B | Byte count |
| MF | Multicast frame count |
| BF | Broadcast frame count |
| PF | Pause frame count |
| CF | Control frame count |
| FLE | Frame length error count |
| FD | Frame dropped count |
| FCRCE | Frame CRC error count |
| FEE | Frame encoding error count |
| LFE | Large frame error count |
| SFE | Small frame error count |
| J | Jabber count |
| UCC | Unknown control frame count |
| CSE | Carrier sense error count |

Ethernet TCP/IP statistics

When you select Ethernet TCP/IP statistics, the TCP statistics in this table appear. You can view each of these statistics as raw statistics or as baseline statistics.

| Statistic | Definition |
|------------------|--------------------------------|
| TxS | Transmitted segment count |
| TxB | Transmitted byte count |
| RTxTE | Retransmit timer expired count |

| Statistic | Definition |
|------------------|-------------------------------------|
| TxDACK | Transmit delayed ACK count |
| TxACK | Transmit ACK count |
| RxS | Received segment count |
| RxB | Received byte count |
| RxDACK | Received duplicate ACK count |
| RxACK | Received ACK count |
| RxSEC | Received segment error count |
| RxSOOC | Received segment out-of-order count |
| RxWP | Received window probe count |
| RxWU | Received window update count |

When you select Ethernet TCP/IP statistics, the IP statistics in this table appear.

| Statistic | Definition |
|------------------|---|
| TxP | Transmitted packet count |
| TxB | Transmitted byte count |
| TxF | Transmitted fragment count |
| RxP | Packets received count. Select Show IPv4 to show the IPv4 packets received count. Select Show IPv6 to show the IPv6 packets received count. |
| RxB | Received byte count |
| RxF | Received fragment count |
| RxPE | Received packet error count |
| DR | Datagram reassembly count |
| DRE-OLFC | Datagram reassembly error, overlapped fragment count |

| Statistic | Definition |
|-----------|--|
| DRE-OOFC | Datagram reassembly error, out-of-order fragment count |
| DRE-TOC | Datagram reassembly error, time-out count |

iSCSI target statistics and local initiator statistics

When you select Target (protocol) statistics or Local initiator (protocol) statistics, the following statistics are shown. You can view each of these statistics as raw statistics or as baseline statistics.

| Statistic | Definition |
|-----------|--|
| SL | Successful iSCSI login count |
| UL | Unsuccessful iSCSI login count |
| SA | Successful iSCSI authentication count (when authentication is enabled) |
| UA | Unsuccessful iSCSI authentication count (when authentication is enabled) |
| PDU | Correct iSCSI PDUs processed count |
| HDE | iSCSI PDUs with header digest errors count |
| DDE | iSCSI PDUs with data digest errors count |
| PE | PDUs with iSCSI protocol errors count |
| UST | Unexpected iSCSI session terminations count |
| UCT | Unexpected iSCSI connection termination count |

DCBX operational state statistics

When you select Data Center Bridging Exchange (DCBX) Operational State Statistics, these statistics appear.

| Statistic | Definition |
|-----------------|--|
| iSCSI Host Port | Indicates the location of the detected host port in Controller #, Port # format. |

| Statistic | Definition |
|-----------------------------|---|
| Priority Group | Indicates the operational state of the Priority Group (PG) application. The state is either Enabled or Disabled. |
| Priority-based Flow Control | Indicates the operational state of the Priority-based Flow Control (PFC) feature. The state is either Enabled or Disabled. |
| iSCSI Feature | Indicates the operational state of the Internet Small Computer System Interface (iSCSI) application. The state is either Enabled or Disabled. |
| FCoE Bandwidth | Indicates the state of the Fibre Channel over Ethernet (FCoE) Bandwidth. The state is either True or False. |
| No FCoE/FIP Map Mismatch | Indicates whether a map mismatch exists between FCoE and FCoE Initialization Protocol (FIP). The value is either True or False. |

You can find additional DCBX operational state statistics in the state capture file.

LLDP TLV statistics

When you select Link Layer Discovery Protocol (LLDP) Type Length Value (TLV) Statistics, these statistics appear. Two sets of statistics appear: one for the local device and one for the remote device. The local device refers to the controller. The remote device refers to the peer device that the controller is attached to, typically a switch.

| Statistic | Definition |
|--------------------|--|
| iSCSI Host Port | Indicates the location of the detected host port in Controller #, Port # format. |
| Chassis ID | Indicates the chassis ID. |
| Chassis ID Subtype | Indicates the chassis ID subtype. |
| Port ID | Indicates the port ID. |
| Port ID Subtype | Indicates the port ID subtype. |
| Time to Live | Indicates the number of seconds that the recipient LLDP agent considers the information to be valid. |

You can find additional LLDP TLV statistics in the state capture file.

DCBX TLV statistics

When you select Data Center Bridging Exchange (DCBX) Type Length Value (TLV) Statistics, these statistics appear:

- **Local statistics** — The DCBX parameters configured on the controller at the factory.
- **Operational statistics** — The DCBX parameters that result from DCBX negotiations.
- **Remote statistics** — The DCBX parameters from the peer device that the controller is connected to, typically a switch.

| Statistic | Definition |
|----------------------------|--|
| iSCSI Host Port | Indicates the location of the detected host port in Controller #, Port # format. |
| Flow Control Mode | The Flow Control Mode of the entire port. Valid values are Disabled, Standard, Per Priority, or Indeterminate. |
| Protocol | The communication protocol. Valid values are FCoE, FIP, iSCSI, or UNKNOWN. |
| Priority | Integer value indicating the priority number of the communication. |
| Priority Group | Integer value representing the priority group to which the protocol has been assigned. |
| Priority Group % Bandwidth | Percentage value indicating the amount of bandwidth allocated to the priority group. |
| DCBX PFC Status | Priority-based Flow Control (PFC) status of the specific port. The value is either enabled or disabled. |

You can find additional DCBX TLV statistics in the state capture file.

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