

Enabling the Hardware-Assisted Timestamping Option

By default, Ethernet frame delay measurement uses software for timestamping transmitted and received ETH-DM frames. For Ethernet interfaces on Enhanced Dense Port Concentrators (DPCs) and Enhanced Queuing DPCs only, you can optionally use hardware timing to assist in the timestamping of received ETH-DM frames to increase the accuracy of delay measurements.

Enabling hardware-assisted timestamping of received frames can increase the accuracy of ETH-DM calculations when the DPC is loaded with heavy traffic in the receive direction.

To enable Ethernet frame delay measurement hardware assistance on the reception path, include the `hardware-assisted-timestamping` statement at the `[edit protocols oam ethernet connectivity-fault-management performance-monitoring]` hierarchy level:

```
[edit protocols]
oam {
  ethernet {
    connectivity-fault-management {
      performance-monitoring {
        hardware-assisted-timestamping;
      }
    }
  }
}
```

- Related Topics**
- Ethernet Frame Delay Measurements Overview
 - Guidelines for Configuring Routers to Support an ETH-DM Session

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