Ethernet Connectivity Fault Management

Ethernet Connectivity Fault Management (CFM) is an end-to-end per-service-instance Ethernet layer operations, administration, and maintenance (OAM) protocol. It includes proactive connectivity monitoring, fault verification, and fault isolation for large Ethernet metropolitan-area networks (MANs) and WANs.

Configuration Information

Configuration information is included in the “Configuring Ethernet Connectivity Fault Management in a Service Provider Network” module of the Cisco IOS Carrier Ethernet Configuration Guide, Release 12.4T, at the following URL:


The following sections provide information about this feature:

- Customer Service Instance
- Maintenance Domain
- Maintenance Point
- CFM Messages
- Cross-Check Function
- SNMP Traps
- Designing CFM Domains
- Configuring Ethernet CFM

For a complete list of features included in the “Configuring Ethernet Connectivity Fault Management in a Service Provider Network” module, see the Feature Information Table located toward the end of the module.
Command Reference Information

Release 12.2SR
Detailed information about commands is included in the Cisco IOS Carrier Ethernet Command Reference, Release 12.2SR, at the following URL:


Release 12.2SX
Detailed information about commands is included in the Cisco IOS Carrier Ethernet Command Reference, Release 12.2SX, at the following URL:


Master Commands Lists

Cisco IOS master commands lists provide an alphabetical list of all Cisco IOS commands in a Cisco IOS release.

Cisco IOS new, modified, removed, and replaced commands lists provide an alphabetized list of all new, modified, removed, and replaced commands in a Cisco IOS release.

Release 12.2SR
Cisco IOS Master Commands List, Release 12.2SR, at the following URL:


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