



# Ethernet CFM

The Cisco Industrial Ethernet 5000 switch supports Ethernet CFM. Ethernet CFM is an end-to-end per-service-instance (per VLAN) Ethernet layer OAM protocol that includes proactive connectivity monitoring, fault verification, and fault isolation. End-to-end can be provider-edge-to-provider-edge (PE-to-PE) device or customer-edge-to-customer-edge (CE-to-CE) device. Ethernet CFM, as specified by 802.1ag, is the standard for Layer 2 ping, Layer 2 traceroute, and end-to-end connectivity check of the Ethernet network.

For complete command and configuration information for Ethernet CFM, see the Configuring Ethernet OAM, CFM, and E-LMI chapter of the System Management guide at this URL:

[http://www.cisco.com/c/en/us/td/docs/switches/connectedgrid/cg-switch-sw-master/software/configuration/guide/sysmgmt/CGS\\_1000\\_Sysmgmt/sm\\_oam.html](http://www.cisco.com/c/en/us/td/docs/switches/connectedgrid/cg-switch-sw-master/software/configuration/guide/sysmgmt/CGS_1000_Sysmgmt/sm_oam.html)

