

Creating the Maintenance Domain

To enable CFM on an Ethernet interface, maintenance domains, maintenance associations, and MEPs must be created and configured.

To create a maintenance domain, include the `maintenance-domain domain-name` statement at the `[edit protocols oam ethernet connectivity-fault-management]` hierarchy level.

Give the maintenance domain a name. Names can be in one of several formats.

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Configuring the Maintenance Domain Name Format

You can specify the maintenance domain name format as a plain ASCII character string, a domain name service (DNS) format, a MAC address plus a two-octet identifier in the range from 0 through 65,535, or none. If none is specified, the maintenance domain name is not used. The default name format is an ASCII character string.

To configure the maintenance domain name format, include the `name-format (character-string | none | dns | mac+2octet)` statement at the `[edit protocols oam ethernet connectivity-fault-management maintenance-domain domain-name]` hierarchy level.

Configuring the Maintenance Domain Level

The maintenance domain level is a mandatory parameter that indicates the nesting relationship between various maintenance domains. The level is embedded in each of the CFM frames. CFM messages within a given level are processed by MEPs at that same level. For example, the operator domain can be level 0, the provider domain at level 3, and the customer domain level 7.

To configure the maintenance domain level, include the `level number` statement at the `[edit protocols oam ethernet connectivity-fault-management maintenance-domain domain-name]` hierarchy level.

