

Configuring Maintenance Intermediate Points

MX-series platforms support Maintenance Intermediate Points (MIPs) for Ethernet OAM 802.1ag CFM Protocol at a bridge-domain level. This enables you to define a maintenance domain (MD) for each default level. The MIPs names are created as *default-level-number* at the [edit protocols oam ethernet connectivity-fault-management maintenance-domain] hierarchy level. Use the *bridge-domain*, *routing-instance*, *domain-instance*, and *mip-half-function* MIP options to specify the MIP configuration.



NOTE: Whenever a MIP is configured and a bridge domain is mapped to multiple maintenance domains (MD) or maintenance associations (MA), it is essential that the *mip-half-function* value for all MDs and MAs are the same.

To display MIP configurations, use the `show oam ethernet connectivity-fault-management mip (bridge-domain | instance-name | interface-name)` command.

The following sections describe MIP configuration:

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Configuring the Maintenance Domain Routing Instances Bridge Domain

The VLAN corresponds to the bridge domain.

To configure the bridge domain, include the *bridge-domain* statement at the [edit protocols oam ethernet connectivity-fault-management maintenance-domain routing-instances *name*] hierarchy level.

Configuring the Maintenance Domain Routing Instance

To configure the routing instance, include the *routing-instance* statement at the [edit protocols oam ethernet connectivity-fault-management maintenance-domain] hierarchy level.

Configuring the Maintenance Domain Instance

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

Configuring the Maintenance Domain MIP Half Function

To configure the MIP half function, include the mip-half-function statement at the [edit protocols oam ethernet connectivity-fault-management maintenance-domain] hierarchy level.