Checking and Clearing MAC Rewrite Error Conditions on an Interface

On an MX Series router with a spanning-tree protocol enabled, the detection of a possible bridging loop from spanning-tree protocol operation can raise a bridge protocol data unit (BPDU) error condition on the affected spanning-tree instance interface.

To clear a BPDU error condition on a spanning-tree instance interface:

1. Check the status of the interface by using the show interfaces *interface-name* operational mode command.
   - The interface is *not blocked* if the value in the Physical interface includes **Enabled, Physical link is Up** and the value of the BPDU Error field is **None**.
   - The interface is *blocked* if the value in the Physical interface field is **Enabled, Physical link is Down** and the value in the BPDU Error field is **Detected**.
2. If the interface is blocked, you can clear the blocked status of an interface by using the clear error bpdu interface *interface-name* command.

NOTE: When you configure BPDU protection on individual interfaces (as opposed to on all the edge ports of the bridge), you can use the disable-timeout *seconds* option to specify that a blocked interface is automatically cleared after the specified time interval elapses (unless the interval is 0). For configuration details, see Configuring BPDU Protection on Individual Interfaces.

Related Topics

- Layer 2 Protocol Tunneling Through a Network Overview
- MAC Address Rewriting Enabled for Layer 2 Protocol Tunneling
- Layer 2 Protocol Tunnel Interface
- Layer 2 Protocol to be Tunneled
- Configuring Layer 2 Protocol Tunneling

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