



Monitoring Spanning Tree

The Spanning Tree feature available on the ME 1200 Web GUI allows you to monitor the Bridge, MSTI, and CIST settings on the ME 1200 switch.

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STP Bridge Status

This option provides a status overview of all STP bridge instances. The displayed table contains a row for each STP bridge instance, where the column displays the following information:

MSTI	Bridge ID	Root			Topology Flag	Topology Change Last
		ID	Port	Cost		
CIST	32768.00-3A-99-FD-4B-1C	8192.00-14-1B-EC-1A-BF	4	220022	Steady	0d 00:00:22

- **MSTI:** The Bridge Instance. This is also a link to the STP Detailed Bridge Status.
- **Bridge ID:** The Bridge ID of this Bridge instance.
- **Root ID:** The Bridge ID of the currently elected root bridge.
- **Root Port:** The switch port currently assigned the root port role.
- **Root Cost:** Root Path Cost. For the Root Bridge it is zero. For all other Bridges, it is the sum of the Port Path Costs on the least cost path to the Root Bridge.
- **Topology Flag:** The current state of the Topology Change Flag of this Bridge instance.
- **Topology Change Last:** The time since last Topology Change occurred.

Related Topics

[Configuring Spanning Tree](#)

STP Port Status

This option displays the STP CIST port status for physical ports of the switch.

Port	CIST Role	CIST State	Uptime
1	DesignatedPort	Discarding	0d 20:42:35
2	DesignatedPort	Forwarding	0d 20:42:37
3	Disabled	Discarding	-
4	RootPort	Forwarding	0d 20:42:36
5	Disabled	Discarding	-
6	Disabled	Discarding	-

- **Port:** The switch port number of the logical STP port.
- **CIST Role:** The current STP port role of the CIST port. The port role can be one of the following values: *AlternatePort*, *BackupPort*, *RootPort*, *DesignatedPort*, *Disabled*.
- **CIST State:** The current STP port state of the CIST port. The port state can be one of the following values: *Discarding*, *Learning*, *Forwarding*.
- **Uptime:** The time since the bridge port was last initialized.

Related Topics

[Configuring Spanning Tree](#)

STP Port Statistics

This option displays the STP port statistics counters of bridge ports in the switch. The STP port statistics counters are:

Port	Transmitted				Received				Discarded	
	MSTP	RSTP	STP	TCN	MSTP	RSTP	STP	TCN	Unknown	Illegal
1	40188	0	0	0	0	36982	0	0	0	0
2	37750	0	0	0	0	0	0	0	0	0
4	585	0	0	0	40187	0	0	0	0	0

- **Port:** The switch port number of the logical STP port.
- **MSTP:** The number of MSTP BPDU's received/transmitted on the port.
- **RSTP:** The number of RSTP BPDU's received/transmitted on the port.
- **STP:** The number of legacy STP Configuration BPDU's received/transmitted on the port.

- **TCN:** The number of (legacy) Topology Change Notification BPDU's received/transmitted on the port.
- **Discarded Unknown:** The number of unknown Spanning Tree BPDU's received (and discarded) on the port.
- **Discarded Illegal:** The number of illegal Spanning Tree BPDU's received (and discarded) on the port.

Related Topics

[Configuring Spanning Tree](#)

