

show spanning-tree bridge

Syntax show spanning-tree bridge
<brief | detail>
<msti *msti-id*>
<vlan *vlan-id*>

Release Information Command introduced in JUNOS Release 9.0 for EX-series switches.

Description Display the configured or calculated spanning-tree protocol (can be either STP, RSTP, or MSTP) parameters.

Options none—(Optional) Display brief STP bridge information for all Multiple Spanning Tree Instances (MSTIs).

brief | detail—(Optional) Display the specified level of output.

msti *msti-id*—(Optional) Display STP bridge information for the specified MSTP instance ID or Common and Internal Spanning Tree (CIST). Specify 0 for CIST. Specify a value from 1 through 4094 for an MSTI.

vlan *vlan-id*—(Optional) Display STP bridge information for the specified VLAN. Specify a VLAN tag identifier from 1 through 4094.

Required Privilege Level view

- Related Topics**
- show spanning-tree interface
 - Example: Configuring Network Regions for VLANs with MSTP on EX-series Switches
 - Understanding STP for EX-series Switches
 - Understanding RSTP for EX-series Switches
 - Understanding MSTP for EX-series Switches
 - Understanding VSTP for EX-series Switches

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Output Fields Table 1 lists the output fields for the `show spanning-tree bridge` command. Output fields are listed in the approximate order in which they appear.

Table 1: show spanning-tree bridge Output Fields

| Field Name | Field Description |
|------------------|--------------------------------------|
| Context ID | An internally generated identifier. |
| Enabled protocol | Spanning-tree protocol type enabled. |

Table 1: show spanning-tree bridge Output Fields (continued)

| Field Name | Field Description |
|---------------------------------|---|
| Root ID | Bridge ID of the elected spanning tree root bridge. The bridge ID consists of a configurable bridge priority and the MAC address of the bridge. |
| Root cost | Calculated cost to reach the root bridge from the bridge where the command is entered. |
| Root port | Interface that is the current elected root port for this bridge. |
| CIST regional root | Bridge ID of the elected MSTP regional root bridge. |
| CIST internal root cost | Calculated cost to reach the regional root bridge from the bridge where the command is entered. |
| Hello time | Configured number of seconds between transmissions of configuration BPDUs. |
| Maximum age | Maximum age of received protocol BPDUs. |
| Forward delay | Configured time an STP bridge port remains in the listening and learning states before transitioning to the forwarding state. |
| Hop count | Configured maximum number of hops a BPDU can be forwarded in the MSTP region. |
| Message age | Number of seconds elapsed since the most recent BPDU was received. |
| Number of topology changes | Total number of STP topology changes detected since the switch last booted. |
| Time since last topology change | Number of seconds elapsed since the most recent topology change. |
| Bridge ID (Local) | Locally configured bridge ID. The bridge ID consists of a configurable bridge priority and the MAC address of the bridge. |
| Extended system ID | Internally generated system identifier. |
| MSTI regional root | Bridge ID of the elected MSTP regional root bridge. |
| Internal instance ID | An internally generated identifier. |
| Path Cost Method | Bridges supporting 802.1D (legacy) implement only 16-bit values for path cost. Newer versions of this standard support 32-bit values. |

```
show spanning-tree bridge user@switch> show spanning-tree bridge
                          STP bridge parameters
                          Context ID   : 0
                          Enabled protocol : MSTP

                          STP bridge parameters for CIST
                          Root ID      : 8192.00:19:e2:50:51:e0
                          Root cost    : 0
                          Root port    : ge-0/0/13.0
```

```

CIST regional root    : 8192.00:19:e2:50:51:e0
CIST internal root cost : 2000
Hello time           : 2 seconds
Maximum age          : 20 seconds
Forward delay        : 15 seconds
Hop count            : 18
Message age           : 0
Number of topology changes : 3
Time since last topology change : 921 seconds
Local parameters
  Bridge ID          : 16384.00:19:e2:50:44:e0
  Extended system ID : 0
  Internal instance ID : 0

```

```

STP bridge parameters for MSTI 1
MSTI regional root    : 4097.00:19:e2:50:51:e0
Root cost             : 2000
Root port             : ge-0/0/13.0
Hello time            : 2 seconds
Maximum age           : 20 seconds
Forward delay         : 15 seconds
Hop count             : 18
Local parameters
  Bridge ID          : 16385.00:19:e2:50:44:e0
  Extended system ID : 0
  Internal instance ID : 1

```

```

STP bridge parameters for MSTI 2
MSTI regional root    : 4098.00:19:e2:50:3d:20
Root cost             : 1000
Root port             : ge-0/0/9.0
Hello time            : 2 seconds
Maximum age           : 20 seconds
Forward delay         : 15 seconds
Hop count             : 19
Local parameters
  Bridge ID          : 8194.00:19:e2:50:44:e0
  Extended system ID : 0
  Internal instance ID : 2

```

show spanning-tree bridge brief

```

user@switch> show spanning-tree bridge brief
STP bridge parameters
Context ID          : 0
Enabled protocol    : RSTP
Root ID             : 32768.00:19:e2:50:95:a0
Hello time          : 2 seconds
Maximum age         : 20 seconds
Forward delay       : 15 seconds
Message age         : 0
Number of topology changes : 0
Local parameters
  Bridge ID          : 32768.00:19:e2:50:95:a0
  Extended system ID : 0
  Internal instance ID : 0

```

show spanning-tree bridge detail

```

user@switch> show spanning-tree bridge detail
STP bridge parameters
Context ID          : 0
Enabled protocol    : RSTP

```

```
Root ID      : 32768.00:19:e2:50:95:a0
Hello time   : 2 seconds
Maximum age  : 20 seconds
Forward delay : 15 seconds
Message age  : 0
Number of topology changes : 0
Local parameters
  Bridge ID   : 32768.00:19:e2:50:95:a0
  Extended system ID : 0
  Internal instance ID : 0
  Hello time   : 2 seconds
  Maximum age  : 20 seconds
  Forward delay : 15 seconds
  Path cost method : 32 bit
```