

## show ethernet-switching interfaces

<b>Syntax</b>	show ethernet-switching interfaces <brief   detail   summary> <interface <i>interface-name</i> >
<b>Release Information</b>	Command introduced in JUNOS Release 9.0 for EX Series switches. In JUNOS Release 9.6 for EX Series switches, the following updates were made: <ul style="list-style-type: none"><li>■ Blocking field output updated.</li><li>■ The default view updated to include information about 802.1Q-tags.</li><li>■ The detail view updated to include information VLAN mapping.</li></ul>
<b>Description</b>	Display information about switched Ethernet interfaces.
<b>Options</b>	none—(Optional) Display brief information for Ethernet switching interfaces.  brief   detail   summary—(Optional) Display the specified level of output.  interface <i>interface-name</i> —(Optional) Display Ethernet switching information for a specific interface.
<b>Required Privilege Level</b>	view
<b>Related Topics</b>	<ul style="list-style-type: none"><li>■ show ethernet-switching mac-learning-log</li><li>■ show ethernet-switching table</li><li>■ Configuring Autorecovery From the Disabled State on Secure or Storm Control Interfaces (CLI Procedure)</li></ul>
<b>List of Sample Output</b>	show ethernet-switching interfaces on page 2 show ethernet-switching interfaces ge-0/0/15 brief on page 3 show ethernet-switching interfaces ge-0/0/2 detail (Blocked by RTG rtggroup) on page 3 show ethernet-switching interfaces ge-0/0/15 detail (Blocked by STP) on page 3 show ethernet-switching interfaces ge-0/0/17 detail (Disabled by bpdu-control) on page 3 show ethernet-switching interfaces detail (C-VLAN to S-VLAN Mapping) on page 3
<b>Output Fields</b>	Table 1 lists the output fields for the show ethernet-switching interfaces command. Output fields are listed in the approximate order in which they appear.

**Table 1: show ethernet-switching interfaces Output Fields**

Field Name	Field Description	Level of Output
Interface	Name of a switching interface.	All levels
State	Interface state. Values are up and down.	none, brief, detail, summary

**Table 1: show ethernet-switching interfaces Output Fields** (continued)

Field Name	Field Description	Level of Output
VLAN members	Name of a VLAN.	none, brief, detail, summary
Tag	Number of the 802.1Q-tag.	All levels
Tagging	Specifies whether the interface forwards 802.1Q-tagged or untagged traffic.	All levels
Blocking	<p>The forwarding state of the interface:</p> <ul style="list-style-type: none"> <li>■ <b>unblocked</b>—Traffic is forwarded on the interface.</li> <li>■ <b>blocked</b>—Traffic is not being forwarded on the interface.</li> <li>■ <b>Disabled by bpdu control</b>—The interface is disabled due to receiving BPDUs on a protected interface. If the <b>disable-timeout</b> statement has been included in the BPDU configuration, the interface automatically returns to service after the timer expires.</li> <li>■ <b>blocked by RTG</b>—The specified redundant trunk group is disabled.</li> <li>■ <b>blocked by STP</b>—The interface is disabled due to a spanning tree protocol error.</li> <li>■ <b>MAC limit exceeded</b>—The interface is temporarily disabled due to a MAC limiting error. The disabled interface is automatically restored to service when the disable timeout expires.</li> <li>■ <b>MAC move limit exceeded</b>—The interface is temporarily disabled due to a MAC move limiting error. The disabled interface is automatically restored to service when the disable timeout expires.</li> <li>■ <b>Storm control in effect</b>—The interface is temporarily disabled due to a storm control error. The disabled interface is automatically restored to service when the disable timeout expires.</li> </ul>	none, brief, detail, summary
Index	The VLAN index internal to JUNOS Software.	detail
mapping	<p>The C-VLAN to S-VLAN mapping information:</p> <ul style="list-style-type: none"> <li>■ <b>dot1q-tunneled</b>—The interface maps all traffic to the S-VLAN (all-in-one bundling).</li> <li>■ <b>native</b>—The interface maps untagged and priority tagged packets to the S-VLAN.</li> <li>■ <b>push</b>—The interface maps packets to a firewall filter to an S-VLAN.</li> <li>■ <b>policy-mapped</b>—The interface maps packets to a specifically defined S-VLAN.</li> <li>■ <b>integer</b>—The interface maps packets to the specified S-VLAN.</li> </ul>	detail

```

show ethernet-switching interfaces      user@switch> show ethernet-switching interfaces
Interface    State  VLAN members    Tag  Tagging  Blocking
-----
ae0.0        up     default          300  untagged unblocked
ge-0/0/2.0   up     vlan300          300  untagged blocked by RTG (rtggroup)
ge-0/0/3.0   up     default          300  untagged blocked by STP
ge-0/0/4.0   down   default          300  untagged MAC limit exceeded
ge-0/0/5.0   down   default          300  untagged MAC move limit exceeded
ge-0/0/6.0   down   default          300  untagged Storm control in effect

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ge-0/0/7.0	down	default			unblocked
ge-0/0/13.0	up	default		untagged	unblocked
ge-0/0/14.0	up	vlan100	100	tagged	unblocked
		vlan200	200	tagged	unblocked
ge-0/0/15.0	up	vlan100	100	tagged	blocked by STP
		vlan200	200	tagged	blocked by STP
ge-0/0/16.0	down	default		untagged	unblocked
ge-0/0/17.0	down	vlan100	100	tagged	Disabled by bpdu-control
		vlan200	200	tagged	Disabled by bpdu-control

**show ethernet-switching  
interfaces ge-0/0/15  
brief**

```
user@switch> show ethernet-switching interfaces ge-0/0/15 brief
Interface State VLAN members Tag Tagging Blocking
ge-0/0/15.0 up vlan100 100 tagged blocked by STP
               vlan200 200 tagged blocked by STP
```

**show ethernet-switching  
interfaces ge-0/0/2  
detail (Blocked by RTG  
rtggroup)**

```
user@switch> show ethernet-switching interfaces ge-0/0/2 detail
Interface: ge-0/0/2.0, Index: 65, State: up, Port mode: Access
VLAN membership:
  vlan300, 802.1Q Tag: 300, untagged, msti-id: 0, blocked by RTG(rtggroup)
Number of MACs learned on IFL: 0
```

**show ethernet-switching  
interfaces ge-0/0/15  
detail (Blocked by STP)**

```
user@switch> show ethernet-switching interfaces ge-0/0/15 detail
Interface: ge-0/0/15.0, Index: 70, State: up, Port mode: Trunk
VLAN membership:
  vlan100, 802.1Q Tag: 100, tagged, msti-id: 0, blocked by STP
  vlan200, 802.1Q Tag: 200, tagged, msti-id: 0, blocked by STP
Number of MACs learned on IFL: 0
```

**show ethernet-switching  
interfaces ge-0/0/17  
detail (Disabled by  
bpdu-control)**

```
user@switch> show ethernet-switching interfaces ge-0/0/17 detail
Interface: ge-0/0/17.0, Index: 71, State: down, Port mode: Trunk
VLAN membership:
  vlan100, 802.1Q Tag: 100, tagged, msti-id: 1, Disabled by bpdu-control
  vlan200, 802.1Q Tag: 200, tagged, msti-id: 2, Disabled by bpdu-control
Number of MACs learned on IFL: 0
```

**show ethernet-switching  
interfaces detail  
(C-VLAN to S-VLAN  
Mapping)**

```
user@switch> show ethernet-switching interfaces ge-0/0/6.0 detail
Interface: ge-0/0/6.0, Index: 73, State: up, Port mode: Access
VLAN membership:
  map, 802.1Q Tag: 134, Mapped Tag: native, push, dot1q-tunneled, unblocked
  map, 802.1Q Tag: 134, Mapped Tag: 20, push, dot1q-tunneled, unblocked
```

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