

## show ethernet-switching table

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<b>Syntax</b>	show ethernet-switching table <brief   detail   extensive   summary> <interface <i>interface-name</i> > <management-vlan> <vlan ( <i>vlan-name</i> )>
<b>Release Information</b>	Command introduced in JUNOS Release 9.0 for EX Series switches. Options summary, management-vlan, and vlan <i>vlan-name</i> introduced in JUNOS Release 9.6 for EX Series switches.
<b>Description</b>	Displays the Ethernet switching table.
<b>Options</b>	none—(Optional) Display brief information about the Ethernet switching table.  brief   detail   extensive   summary—(Optional) Display the specified level of output.  management-vlan—(Optional) Display the Ethernet switching table for a management VLAN.  <i>interface-name</i> —(Optional) Display the Ethernet switching table for a specific interface.  vlan <i>vlan-name</i> —(Optional) Display the Ethernet switching table for a specific VLAN.
<b>Required Privilege Level</b>	view
<b>Related Topics</b>	<ul style="list-style-type: none"><li>■ Example: Setting Up Basic Bridging and a VLAN for an EX Series Switch</li><li>■ Example: Setting Up Bridging with Multiple VLANs for EX Series Switches</li><li>■ Example: Configure Automatic VLAN Administration Using GVRP</li><li>■ Example: Setting Up Q-in-Q Tunneling on EX Series Switches</li></ul>
<b>List of Sample Output</b>	show ethernet-switching table on page 2 show ethernet-switching table brief on page 2 show ethernet-switching table detail on page 3 show ethernet-switching table extensive on page 4 show ethernet-switching table interface ge-0/0/1 on page 6
<b>Output Fields</b>	Table 1 lists the output fields for the show ethernet-switching table command. Output fields are listed in the approximate order in which they appear.

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

Field Name	Field Description	Level of Output
VLAN	The name of a VLAN.	All levels
MAC address	The MAC address associated with the VLAN.	All levels

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

Field Name	Field Description	Level of Output
Type	The type of MAC address. Values are: <ul style="list-style-type: none"> <li>■ static—The MAC address is manually created.</li> <li>■ learn—The MAC address is learned dynamically from a packet's source MAC address.</li> <li>■ flood—The MAC address is unknown and flooded to all members.</li> </ul>	All levels
Age	The time remaining before the entry ages out and is removed from the Ethernet switching table.	All levels
Interfaces	Interface associated with learned MAC addresses or All-members (flood entry).	All levels
Learned	For learned entries, the time which the entry was added to the Ethernet-switching table.	detail, extensive

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show ethernet-switching table user@switch> show ethernet-switching table
Ethernet-switching table: 57 entries, 17 learned
VLAN      MAC address      Type      Age Interfaces
F2         *                Flood     - All-members
F2         00:00:05:00:00:03 Learn     0 ge-0/0/44.0
F2         00:19:e2:50:7d:e0 Static    - Router
Linux      *                Flood     - All-members
Linux      00:19:e2:50:7d:e0 Static    - Router
Linux      00:30:48:90:54:89 Learn     0 ge-0/0/47.0
T1         *                Flood     - All-members
T1         00:00:05:00:00:01 Learn     0 ge-0/0/46.0
T1         00:00:5e:00:01:00 Static    - Router
T1         00:19:e2:50:63:e0 Learn     0 ge-0/0/46.0
T1         00:19:e2:50:7d:e0 Static    - Router
T10        *                Flood     - All-members
T10        00:00:5e:00:01:09 Static    - Router
T10        00:19:e2:50:63:e0 Learn     0 ge-0/0/46.0
T10        00:19:e2:50:7d:e0 Static    - Router
T111       *                Flood     - All-members
T111       00:19:e2:50:63:e0 Learn     0 ge-0/0/15.0
T111       00:19:e2:50:7d:e0 Static    - Router
T111       00:19:e2:50:ac:00 Learn     0 ge-0/0/15.0
T2         *                Flood     - All-members
T2         00:00:5e:00:01:01 Static    - Router
T2         00:19:e2:50:63:e0 Learn     0 ge-0/0/46.0
T2         00:19:e2:50:7d:e0 Static    - Router
T3         *                Flood     - All-members
T3         00:00:5e:00:01:02 Static    - Router
T3         00:19:e2:50:63:e0 Learn     0 ge-0/0/46.0
T3         00:19:e2:50:7d:e0 Static    - Router
T4         *                Flood     - All-members
T4         00:00:5e:00:01:03 Static    - Router
T4         00:19:e2:50:63:e0 Learn     0 ge-0/0/46.0
[output truncated]

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show ethernet-switching table brief user@switch> show ethernet-switching table brief
Ethernet-switching table: 57 entries, 17 learned
VLAN      MAC address      Type      Age Interfaces
F2         *                Flood     - All-members

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F2          00:00:05:00:00:03 Learn      0 ge-0/0/44.0
F2          00:19:e2:50:7d:e0 Static     - Router
Linux       *                      Flood   - All-members
Linux       00:19:e2:50:7d:e0 Static     - Router
Linux       00:30:48:90:54:89 Learn      0 ge-0/0/47.0
T1          *                      Flood   - All-members
T1          00:00:05:00:00:01 Learn      0 ge-0/0/46.0
T1          00:00:5e:00:01:00 Static     - Router
T1          00:19:e2:50:63:e0 Learn      0 ge-0/0/46.0
T1          00:19:e2:50:7d:e0 Static     - Router
T10         *                      Flood   - All-members
T10         00:00:5e:00:01:09 Static     - Router
T10         00:19:e2:50:63:e0 Learn      0 ge-0/0/46.0
T10         00:19:e2:50:7d:e0 Static     - Router
T111        *                      Flood   - All-members
T111        00:19:e2:50:63:e0 Learn      0 ge-0/0/15.0
T111        00:19:e2:50:7d:e0 Static     - Router
T111        00:19:e2:50:ac:00 Learn      0 ge-0/0/15.0
T2          *                      Flood   - All-members
T2          00:00:5e:00:01:01 Static     - Router
T2          00:19:e2:50:63:e0 Learn      0 ge-0/0/46.0
T2          00:19:e2:50:7d:e0 Static     - Router
T3          *                      Flood   - All-members
T3          00:00:5e:00:01:02 Static     - Router
T3          00:19:e2:50:63:e0 Learn      0 ge-0/0/46.0
T3          00:19:e2:50:7d:e0 Static     - Router
T4          *                      Flood   - All-members
T4          00:00:5e:00:01:03 Static     - Router
T4          00:19:e2:50:63:e0 Learn      0 ge-0/0/46.0
[output truncated]

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#### show ethernet-switching table detail

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user@switch> show ethernet-switching table detail
Ethernet-switching table: 57 entries, 17 learned

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F2, *
  Interface(s): ge-0/0/44.0
  Type: Flood
  Nexthop index: 0

F2, 00:00:05:00:00:03
  Interface(s): ge-0/0/44.0
  Type: Learn, Age: 0, Learned: 2:03:09
  Nexthop index: 0

F2, 00:19:e2:50:7d:e0
  Interface(s): Router
  Type: Static
  Nexthop index: 0

Linux, *
  Interface(s): ge-0/0/47.0
  Type: Flood
  Nexthop index: 0

Linux, 00:19:e2:50:7d:e0
  Interface(s): Router
  Type: Static
  Nexthop index: 0

Linux, 00:30:48:90:54:89
  Interface(s): ge-0/0/47.0
  Type: Learn, Age: 0, Learned: 2:03:08

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    Nexthop index: 0

T1, *
  Interface(s): ge-0/0/46.0
  Type: Flood
  Nexthop index: 0

T1, 00:00:05:00:00:01
  Interface(s): ge-0/0/46.0
  Type: Learn, Age: 0, Learned: 2:03:07
  Nexthop index: 0

T1, 00:00:5e:00:01:00
  Interface(s): Router
  Type: Static
  Nexthop index: 0

T1, 00:19:e2:50:63:e0
  Interface(s): ge-0/0/46.0
  Type: Learn, Age: 0, Learned: 2:03:07
  Nexthop index: 0

T1, 00:19:e2:50:7d:e0
  Interface(s): Router
  Type: Static
  Nexthop index: 0

T10, *
  Interface(s): ge-0/0/46.0
  Type: Flood
  Nexthop index: 0

T10, 00:00:5e:00:01:09
  Interface(s): Router
  Type: Static
  Nexthop index: 0

T10, 00:19:e2:50:63:e0
  Interface(s): ge-0/0/46.0
  Type: Learn, Age: 0, Learned: 2:03:08
  Nexthop index: 0

T10, 00:19:e2:50:7d:e0
  Interface(s): Router
  Type: Static
  Nexthop index: 0

T111, *
  Interface(s): ge-0/0/15.0
  Type: Flood
  Nexthop index: 0
[output truncated]

user@switch> show ethernet-switching table extensive
Ethernet-switching table: 57 entries, 17 learned
F2, *
  Interface(s): ge-0/0/44.0
  Type: Flood
  Nexthop index: 0

F2, 00:00:05:00:00:03

```

**show ethernet-switching  
table extensive**

Interface(s): ge-0/0/44.0  
Type: Learn, Age: 0, Learned: 2:03:09  
Nexthop index: 0

F2, 00:19:e2:50:7d:e0  
Interface(s): Router  
Type: Static  
Nexthop index: 0

Linux, \*  
Interface(s): ge-0/0/47.0  
Type: Flood  
Nexthop index: 0

Linux, 00:19:e2:50:7d:e0  
Interface(s): Router  
Type: Static  
Nexthop index: 0

Linux, 00:30:48:90:54:89  
Interface(s): ge-0/0/47.0  
Type: Learn, Age: 0, Learned: 2:03:08  
Nexthop index: 0

T1, \*  
Interface(s): ge-0/0/46.0  
Type: Flood  
Nexthop index: 0

T1, 00:00:05:00:00:01  
Interface(s): ge-0/0/46.0  
Type: Learn, Age: 0, Learned: 2:03:07  
Nexthop index: 0

T1, 00:00:5e:00:01:00  
Interface(s): Router  
Type: Static  
Nexthop index: 0

T1, 00:19:e2:50:63:e0  
Interface(s): ge-0/0/46.0  
Type: Learn, Age: 0, Learned: 2:03:07  
Nexthop index: 0

T1, 00:19:e2:50:7d:e0  
Interface(s): Router  
Type: Static  
Nexthop index: 0

T10, \*  
Interface(s): ge-0/0/46.0  
Type: Flood  
Nexthop index: 0

T10, 00:00:5e:00:01:09  
Interface(s): Router  
Type: Static  
Nexthop index: 0

T10, 00:19:e2:50:63:e0  
Interface(s): ge-0/0/46.0

Type: Learn, Age: 0, Learned: 2:03:08  
Nexthop index: 0

T10, 00:19:e2:50:7d:e0  
Interface(s): Router  
Type: Static  
Nexthop index: 0

T111, \*  
Interface(s): ge-0/0/15.0  
Type: Flood  
Nexthop index: 0  
[output truncated]

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show ethernet-switching table interface ge-0/0/1
user@switch> show ethernet-switching table interface ge-0/0/1
Ethernet-switching table: 1 unicast entries
VLAN      MAC address      Type      Age Interfaces
V1         *                Flood     - All-members
V1         00:00:05:00:00:05 Learn      0 ge-0/0/1.0
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