

## show ethernet-switching table

**Syntax** show ethernet-switching table  
<brief | detail | extensive>  
<interface *interface-name*>  
<vlans *vlan-name*>

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

**Description** Displays the Ethernet switching table.

**Options** none—(Optional) Display brief information about the Ethernet-switching table.

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

*interface-name* —(Optional) Display the Ethernet-switching table for a specific interface.

*vlan-name* —(Optional) Display the Ethernet-switching table for a specific vlan.

**Required Privilege Level** view

- Related Topics**
- Example: Setting Up Basic Bridging and a VLAN for an EX-series Switch
  - Example: Setting Up Bridging with Multiple VLANs for EX-series Switches
  - Example: Configure Automatic VLAN Administration Using GVRP
  - Example: Setting Up Q-in-Q Tunneling on EX-series Switches

**List of Sample Output** 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 5

**Output Fields** Table 1 on page 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
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

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

Field Name	Field Description	Level of Output
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

```

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]

```

```

user@switch> show ethernet-switching table brief
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

```

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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]

```

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

```

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

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

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

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

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

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

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

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

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

```

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

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

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

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

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

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

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

```

**show ethernet-switching  
table extensive**

```

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

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

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

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

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

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

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

T1, 00:00:05:00:00:01

```

```

Interface(s): ge-0/0/46.0
Type: Learn, Age: 0, Learned: 2:03:07

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

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

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

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

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

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

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

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

```

**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

```

