

## show rsvp session

---

**Syntax** show rsvp session  
<brief | detail | extensive | terse>  
<bidirectional | unidirectional>  
<down | up>  
<interface *interface-name*>  
<lsp-type>  
<name *session-name*>  
<session-type>  
<statistics>  
<te-link *te-link*>

**Release Information** Command introduced in JUNOS Release 9.5 for EX Series switches.

**Description** Display information about Resource Reservation Protocol (RSVP) sessions.

**Options** none—Display standard information about all RSVP sessions.

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

bidirectional | unidirectional—(Optional) Display information about bidirectional or unidirectional RSVP sessions only, respectively.

down | up—(Optional) Display only LSPs that are inactive or active, respectively.

interface *interface-name* —(Optional) Display RSVP sessions for the specified interface only.

*lsp-type* —(Optional) Display information about RSVP sessions with regard to LSPs:

- bypass—Sessions used for bypass LSPs.
- lsp—Sessions used to set up LSPs.
- nosp—Sessions not used to set up LSPs.

name *session-name* —(Optional) Display information about the named session.

*session-type* —(Optional) Display information about a particular session type:

- egress—Sessions that terminate on this switch.
- ingress—Sessions that originate from this switch.
- transit—Sessions that transit through this switch.

statistics—(Optional) Display packet statistics.

te-link *te-link* —(Optional) Display sessions with reservations on the specified traffic-engineered link name.

**Required Privilege Level** view

- Related Topics**
- Example: Configuring MPLS on EX Series Switches
  - Configuring MPLS on Provider Edge Switches (CLI Procedure)
  - Configuring MPLS on Provider Switches (CLI Procedure)
  - *JUNOS Software MPLS Applications Configuration Guide* at <http://www.juniper.net/techpubs/software/junos/junos95/index.html>

**List of Sample Output**

- show rsvp session on page 3
- show rsvp session statistics on page 4
- show rsvp session detail on page 4
- show rsvp session extensive on page 4

**Output Fields** Table 1 describes the output fields for the `show rsvp session` command. Output fields are listed in the approximate order in which they appear.

**Table 1: show rsvp session Output Fields**

Field Name	Field Description	Level of Output
Ingress RSVP	Information about ingress RSVP sessions.	detail
Ingress RSVP	Information about ingress RSVP sessions. Each session has one line of output.	All levels
Egress RSVP	Information about egress RSVP sessions.	All levels
Transit RSVP	Information about the transit RSVP sessions.	All levels
To	Destination (egress switch) of the session.	All levels
From	Source (ingress switch) of the session.	All levels
State	State of the path: Up, Down, or AdminDn. AdminDn indicates that the LSP is being taken down gracefully.	All levels
Address	Destination (egress switch) of the LSP.	detail
LSPstate	State of the LSP that is being handled by this RSVP session. It can be either Up, Dn (down), or AdminDn. AdminDn indicates that the LSP is being taken down gracefully.	brief, detail
Rt	Number of active routes (prefixes) that have been installed in the routing table. For ingress RSVP sessions, the routing table is the primary IPv4 table (inet.0). For transit and egress RSVP sessions, the routing table is the primary MPLS table mpls.0).	brief
ActiveRoute	Number of active routes (prefixes) that have been installed in the forwarding table. For ingress RSVP sessions, the forwarding table is the primary IPv4 table (inet.0). For transit and egress RSVP sessions, the forwarding table is the primary MPLS table (mpls.0).	detail
LSPname	Name of the LSP.	brief, detail
LSPpath	Indicates whether the RSVP session is for the primary or secondary LSP path. LSPpath can be either primary or secondary and can be displayed on the ingress, egress, and transit switches. LSPpath can also indicate when a graceful LSP deletion has been triggered.	detail

**Table 1: show rsvp session Output Fields (continued)**

Field Name	Field Description	Level of Output
Recovery label received	(When LSP is bidirectional) Label the upstream node suggests for use in the Resv message that is sent.	detail
Recovery label sent	(When LSP is bidirectional) Label the downstream node suggests for use in its Resv messages that is returned.	detail
Suggested label received	(When LSP is bidirectional) Label the upstream node suggests for use in the Resv message that is sent.	detail
Suggested label sent	(When LSP is bidirectional) Label the downstream node suggests for use in its Resv message that is returned.	detail
Resv style or Style	RSVP reservation style. This field consists of two parts. The first is the number of active reservations. The second is the reservation style, which can be FF (fixed filter), SE (shared explicit), or WF (wildcard filter).	brief detail
Label in	Incoming label for this LSP.	brief, detail
Label out	Outgoing label for this LSP.	brief, detail
Time left	Number of seconds remaining in the lifetime of the reservation.	brief, detail
Since	Date and time when the RSVP session was initiated.	detail
Tspec	Sender's traffic specification, which describes the sender's traffic parameters.	detail
Port number	Protocol ID and sender/receiver port used in this RSVP session.	detail
Creating backup LSP, link down	A link down event occurred, and traffic is being switched over to the bypass LSP.	extensive
Deleting backup LSP, protected LSP restored	Link has come back up and the LSP has been restored. Because the backup LSP is no longer needed, it is deleted.	extensive
PATH rcvfrom	Address of the previous-hop (upstream) switch or client, interface the neighbor used to reach this switch, and number of packets received from the upstream neighbor.	detail

```

show rsvp session user@switch> show rsvp session
Ingress RSVP: 1 sessions
To          From          State  Rt  Style  Labelin Labelout LSPname
10.255.245.214 10.255.245.212 AdminDn 0 1 FF - 22293 LSP Bidir
Total 1 displayed, Up 1, Down 0

Egress RSVP: 2 sessions
To          From          State  Rt  Style  Labelin Labelout LSPname
10.255.245.194 10.255.245.195 Up    0 1 FF 39811 - Gpro3-ba Bidir
10.255.245.194 10.255.245.195 Up    0 1 FF 3 - pro3-ba
Total 2 displayed, Up 2, Down 0

Transit RSVP: 1 sessions
To          From          State  Rt  Style  Labelin Labelout LSPname

```

```
10.255.245.198 10.255.245.197 Up 0 1 SE 100000 3 pro3-de
Total 1 displayed, Up 1, Down 0
```

#### show rsvp session statistics

```
user@switch> show rsvp session statistics
Ingress RSVP: 2 sessions
To          From          State  Packets  Bytes  LSPname
10.255.245.24 10.255.245.22 Up      0        0    pro3-bd
10.255.245.24 10.255.245.22 Up    44868  2333136 pro3-bd-2
Total 2 displayed, Up 2, Down 0
Egress RSVP: 2 sessions
To          From          State  Packets  Bytes  LSPname
10.255.245.22 10.255.245.24 Up      0        0    pro3-db
10.255.245.22 10.255.245.24 Up      0        0    pro3-db-2
Total 2 displayed, Up 2, Down 0
Transit RSVP: 0 sessions
Total 0 displayed, Up 0, Down 0
```

#### show rsvp session detail

```
user@switch> show rsvp session detail
Ingress RSVP: 1 sessions
1.1.1.1
  From: 2.2.2.2, LSPstate: Up, ActiveRoute: 0
  LSPname: to-a, LSPpath: Primary
  Suggested label received: -, Suggested label sent: -
  Recovery label received: -, Recovery label sent: 3
  Resv style: 1 FF, Label in: -, Label out: 3
  Time left: -, Since: Fri Mar 26 18:42:42 2004
  Tspec: rate 300kbps size 300kbps peak Infbps m 20 M 1500
  DiffServ info: diffServ-TE LSP, bandwidth: <ct1 300kbps>
  Port number: sender 1 receiver 15876 protocol 0
  PATH rcvfrom: localclient
  Adspec: sent MTU 1500
  PATH sentto: 192.168.37.16 (t1-0/2/1.0) 1 pkt
```

#### show rsvp session extensive

```
user@switch> show rsvp session extensive
8.8.8.8
  From: 9.9.9.9, LSPstate: Up, ActiveRoute: 0
  LSPname: lsp_to_240, LSPpath: Primary
  Suggested label received: -, Suggested label sent: -
  Recovery label received: -, Recovery label sent: 322832
  Resv style: 1 FF, Label in: -, Label out: 322832
  Time left: -, Since: Thu Feb 26 16:25:39 2009
  Tspec: rate 0bps size 0bps peak Infbps m 20 M 1500
  Port number: sender 2 receiver 44542 protocol 0
  PATH rcvfrom: localclient
  Adspec: sent MTU 1500
  Path MTU: received 1500
  PATH sentto: 3.3.3.2 (xe-0/1/0.0) 238 pkts
  RESV rcvfrom: 3.3.3.2 (xe-0/1/0.0) 234 pkts
  Explct route: 3.3.3.2 4.4.4.2
```