

Layer 3 Protocols Supported on EX-series Switches

EX-series switches support the JUNOS layer 3 features and configuration statements listed in Table 1:

Table 1: Supported JUNOS Layer 3 Protocol Statements and Features

| Protocol | Notes | For More Information |
|-------------------|--|---|
| BGP | Fully supported. | See the <i>JUNOS Software Routing Protocols Configuration Guide</i> at http://www.juniper.net/techpubs/software/junos/ . |
| BFD | Fully supported. | See the <i>JUNOS Software Routing Protocols Configuration Guide</i> at http://www.juniper.net/techpubs/software/junos/ . |
| ICMP | Fully supported. | See the <i>JUNOS Software Routing Protocols Configuration Guide</i> at http://www.juniper.net/techpubs/software/junos/ . |
| IGMPv1, v2 and v3 | Fully supported. | See the <i>JUNOS Software Multicast Configuration Guide</i> at http://www.juniper.net/techpubs/software/junos/ . |
| IS-IS | Supported, with the exceptions noted in Layer 3 Protocols Not Supported on EX-series Switches. | See the <i>JUNOS Software Routing Protocols Configuration Guide</i> at http://www.juniper.net/techpubs/software/junos/ . |
| MPLS | Supported, with the exceptions noted in Layer 3 Protocols Not Supported on EX-series Switches. | See the <i>JUNOS MPLS Applications Configuration Guide</i> at http://www.juniper.net/techpubs/software/junos/ . |
| OSPFv1, v2 and v3 | Supported, with the exceptions noted in Layer 3 Protocols Not Supported on EX-series Switches. | See the <i>JUNOS Software Routing Protocols Configuration Guide</i> at http://www.juniper.net/techpubs/software/junos/ . |
| PIM | Supported, with the exception of IPv6. | See the <i>JUNOS Software Multicast Configuration Guide</i> at http://www.juniper.net/techpubs/software/junos/ . |
| RIP | Fully supported. | See the <i>JUNOS Software Routing Protocols Configuration Guide</i> at http://www.juniper.net/techpubs/software/junos/ . |
| RIPng | Fully supported. | See the <i>JUNOS Software Routing Protocols Configuration Guide</i> at http://www.juniper.net/techpubs/software/junos/ . |
| SNMP | Fully supported. | See the <i>JUNOS Software Network Management Configuration Guide</i> at http://www.juniper.net/techpubs/software/junos/ . |

Table 1: Supported JUNOS Layer 3 Protocol Statements and Features *(continued)*

| Protocol | Notes | For More Information |
|----------|---|---|
| VRRP | Fully supported with exception of IPv6 support of VRRP on routed VLAN interfaces. | See High Availability Features for EX-series Switches Overview. See also the <i>JUNOS Software High Availability Guide</i> at http://www.juniper.net/techpubs/software/junos/ . |

- Related Topics**
- Layer 3 Protocols Not Supported on EX-series Switches
 - EX-series Switch Software Features Overview

