

## 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 <a href="http://www.juniper.net/techpubs/software/junos/">http://www.juniper.net/techpubs/software/junos/</a> .
BFD	Fully supported.	See the <i>JUNOS Software Routing Protocols Configuration Guide</i> at <a href="http://www.juniper.net/techpubs/software/junos/">http://www.juniper.net/techpubs/software/junos/</a> .
ICMP	Fully supported.	See the <i>JUNOS Software Routing Protocols Configuration Guide</i> at <a href="http://www.juniper.net/techpubs/software/junos/">http://www.juniper.net/techpubs/software/junos/</a> .
IGMPv1, v2 and v3	Fully supported.	See the <i>JUNOS Software Multicast Configuration Guide</i> at <a href="http://www.juniper.net/techpubs/software/junos/">http://www.juniper.net/techpubs/software/junos/</a> .
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 <a href="http://www.juniper.net/techpubs/software/junos/">http://www.juniper.net/techpubs/software/junos/</a> .
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 <a href="http://www.juniper.net/techpubs/software/junos/">http://www.juniper.net/techpubs/software/junos/</a> .
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 <a href="http://www.juniper.net/techpubs/software/junos/">http://www.juniper.net/techpubs/software/junos/</a> .
PIM	Supported, with the exception of IPv6.	See the <i>JUNOS Software Multicast Configuration Guide</i> at <a href="http://www.juniper.net/techpubs/software/junos/">http://www.juniper.net/techpubs/software/junos/</a> .
RIP	Fully supported.	See the <i>JUNOS Software Routing Protocols Configuration Guide</i> at <a href="http://www.juniper.net/techpubs/software/junos/">http://www.juniper.net/techpubs/software/junos/</a> .
RIPng	Fully supported.	See the <i>JUNOS Software Routing Protocols Configuration Guide</i> at <a href="http://www.juniper.net/techpubs/software/junos/">http://www.juniper.net/techpubs/software/junos/</a> .
SNMP	Fully supported.	See the <i>JUNOS Software Network Management Configuration Guide</i> at <a href="http://www.juniper.net/techpubs/software/junos/">http://www.juniper.net/techpubs/software/junos/</a> .

**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 <a href="http://www.juniper.net/techpubs/software/junos/">http://www.juniper.net/techpubs/software/junos/</a> .

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

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