

Layer 3 Protocols Not Supported on EX-series Switches

EX-series switches do not support the JUNOS Layer 3 protocols and features listed in Table 1 on page 1:

Table 1: JUNOS Layer 3 Protocol Statements and Features That Are Not Supported

Feature	Configuration Statements Not Supported on EX-Series Switches
DVMRP	■ dvmrp and subordinate statements
Flow aggregation (cflowd)	■ cflow and subordinate statements
GRE	■ Not supported
IPSec	■ [edit services] statements related to IPSec
IS-IS: ■ ES-IS ■ IPv6 in multicast routing protocols ■ Traffic engineering	■ clns-routing statement ■ ipv6-multicast statement ■ lsp-interval statement ■ label-switched-path statement ■ lsp-lifetime statement ■ te-metric statement ■ traffic-engineering and subordinate statements
Layer 2 Tunneling Protocol (L2TP)	■ l2tp and subordinate statements
Logical routers	■ logical-routers and subordinate statements
MLD	■ mld and all subordinate statements
MPLS: ■ All of MPLS ■ Label Distribution Protocol (LDP) ■ Layer 3 VPNs ■ Multiprotocol BGP (MP-BGP) for VPN-IPv4 family ■ Pseudowire emulation (PWE3) ■ Resource Reservation Protocol (RSVP) ■ Routing policy statements related to Layer 3 VPNs and MPLS ■ Traffic engineering (TE) extensions in OSPF and IS-IS	■ ldp and all subordinate statements ■ mpls and all subordinate statements

Table 1: JUNOS Layer 3 Protocol Statements and Features That Are Not Supported *(continued)*

Feature	Configuration Statements Not Supported on EX-Series Switches
Network Address Translation (NAT)	<ul style="list-style-type: none"> ■ nat and subordinate statements ■ Policy statements related to NAT
OSPF: <ul style="list-style-type: none"> ■ Traffic engineering 	<ul style="list-style-type: none"> ■ demand-circuit statement ■ label-switched-path and subordinate statements ■ neighbor statement within an OSPF area ■ peer-interface and subordinate statements within an OSPF area ■ poll-interval statement ■ sham-link statement ■ te-metric statement ■ traffic-engineering and subordinate statements
PIM: <ul style="list-style-type: none"> ■ IPv6 	<ul style="list-style-type: none"> ■ inet6 family
Routing instances: <ul style="list-style-type: none"> ■ Routing instance forwarding 	<ul style="list-style-type: none"> ■ l2vpn and subordinate statements ■ ldp and subordinate statements ■ vpls and subordinate statements
SAP and SDP	<ul style="list-style-type: none"> ■ sap and all subordinate statements
General routing options in the routing-options hierarchy: <ul style="list-style-type: none"> ■ MPLS and label-switched-paths 	<ul style="list-style-type: none"> ■ auto-export and subordinate statements ■ dynamic-tunnels and subordinate statements ■ lsp-next-hop and subordinate statements ■ multicast and subordinate statements ■ p2mp-lsp-next-hop and subordinate statements ■ route-distinguisher-id statement
Traffic sampling and forwarding in the forwarding-options hierarchy	<ul style="list-style-type: none"> ■ accounting and subordinate statements ■ family mpls and family multiservice under hash-key hierarchy ■ Under monitoring <i>group-name</i> family inet output hierarchy: <ul style="list-style-type: none"> ■ cflowd statement ■ export-format-cflowd-version-5 statement ■ flow-active-timeout statement ■ flow-export-destination statement ■ flow-inactive-timeout statement ■ interface statement ■ port-mirroring statement (On EX-series switches, port mirroring is implemented using the analyzer statement.) ■ sampling and subordinate statements

- Related Topics**
- Layer 3 Protocols Supported on EX-series Switches
 - EX-series Switch Software Features Overview