

family mpls

Syntax

```
family mpls {
  label-1;
  label-2;
  label-3;
  no-labels;
  no-label-1-exp;
  payload {
    ether-pseudowire;
    ip {
      layer-3-only;
      port-data {
        source-msb;
        source-lsb;
        destination-msb;
        destination-lsb;
      }
    }
  }
}
```

Hierarchy Level [edit forwarding-options hash-key]

Release Information Statement introduced before JUNOS Release 7.4.
no-label-1-exp option introduced in JUNOS Release 8.0.
label-3 and no-labels options introduced in JUNOS Release 8.1.
ether-pseudowire statement introduced in JUNOS Release 9.1 (M320 and T Series routers only); support extended to M120 and MX Series routers in JUNOS Release 9.4.

Description For aggregated Ethernet and SONET/SDH interfaces only, configure load balancing based on MPLS labels. Only the IPv4 protocol is supported.

Options

- label-1—Include only one label in the hash key.
- label-2—Include both labels in the hash key.
- label-3—Include the third MPLS label in the hash key.
- no-labels—Include no MPLS labels in the hash key.
- no-label-1-exp—Do not use the EXP bit of the first label in the hash calculation.
- payload—Include bits from IP payload in the hash key.
- ether-pseudowire (M120, M320, MX Series, and T Series routers)—Load-balance IPv4 traffic over Layer 2 Ethernet pseudowires.
- ip—Include the IP address of the IPv4 or IPv6 payload in the hash key.

layer-3-only—Include only Layer 3 IP information.

port-data—Include the source and destination port field information.

source-msb—Include the most significant byte of the source port.

source-lsb—Include the least significant byte of the source port.

destination-msb—Include the most significant byte of the destination port.

destination-lsb—Include the least significant byte of the destination port.

Required Privilege Level interface—To view this statement in the configuration.
interface-control—To add this statement to the configuration.

- Related Topics**
- Configuring Load Balancing Based on MPLS Labels
 - Configuring Load Balancing for Ethernet Pseudowires

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