

## Chapter 12

# Tag Elements Beginning with L

This chapter lists the configuration tag elements that have names beginning with the letter *l*. The tag names are in alphabetical order. For information about the notation used in this chapter, see Table 2 on page cdxiii.

For information about the tag elements that client applications use to request, change, and commit configuration information, see the *JUNOScript API Guide* and *NETCONF API Guide*.



**NOTE:** Every tag element in this chapter optionally accepts the `<apply-groups>` or `<apply-groups-except>` tag element and the `<apply-macro>` tag element as children. For brevity, the reference entries do not list these tag elements as children. For information about these tag elements, see `<apply-groups>` on page 631, `<apply-groups-except>` on page 631, and `<apply-macro>` on page 632.

### **<l2-learning> (configuration/logical-systems/protocols)**

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;protocols&gt;       &lt;l2-learning&gt;         &lt;global-mac-table-aging-time&gt;seconds&lt;/global-mac-table-aging-time&gt;         &lt;global-mac-limit&gt;...&lt;/global-mac-limit&gt;         &lt;global-no-mac-learning/&gt;         &lt;global-mac-statistics/&gt;       &lt;/l2-learning&gt;     &lt;/protocols&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Layer 2 forwarding configuration.
<b>Contents</b>	<p><code>&lt;global-mac-limit&gt;</code>—System level MAC limit options.</p> <p><code>&lt;global-mac-statistics&gt;</code>—Enable MAC address statistics at system level.</p> <p><code>&lt;global-mac-table-aging-time&gt;</code>—System level MAC table aging time.</p> <p><code>&lt;global-no-mac-learning&gt;</code>—Disable dynamic MAC address learning at system level.</p>

**<l2-learning> (configuration/protocols)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;l2-learning&gt;       &lt;global-mac-table-aging-time&gt;seconds&lt;/global-mac-table-aging-time&gt;       &lt;global-mac-limit&gt;...&lt;/global-mac-limit&gt;       &lt;global-no-mac-learning/&gt;       &lt;global-mac-statistics/&gt;     &lt;/l2-learning&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Layer 2 forwarding configuration.
<b>Contents</b>	<p>&lt;global-mac-limit&gt;—System level MAC limit options.</p> <p>&lt;global-mac-statistics&gt;—Enable MAC address statistics at system level.</p> <p>&lt;global-mac-table-aging-time&gt;—System level MAC table aging time.</p> <p>&lt;global-no-mac-learning&gt;—Disable dynamic MAC address learning at system level.</p>

**<l2circuit> (configuration/logical-systems/protocols)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;protocols&gt;       &lt;l2circuit&gt;         &lt;traceoptions&gt;...&lt;/traceoptions&gt;         &lt;neighbor&gt;...&lt;/neighbor&gt;         &lt;local-switching&gt;...&lt;/local-switching&gt;       &lt;/l2circuit&gt;     &lt;/protocols&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Configuration for Layer 2 circuits over MPLS.
<b>Contents</b>	<p>&lt;local-switching&gt;—Configuration of Layer 2 circuits local switching.</p> <p>&lt;neighbor&gt;—List of Layer 2 circuits to this neighbor.</p> <p>&lt;traceoptions&gt;—Trace options for Layer 2 circuits.</p>

**<l2circuit> (configuration/protocols)**

---

- Usage** `<configuration>  
<protocols>  
  <l2circuit>  
    <traceoptions>...</traceoptions>  
    <neighbor>...</neighbor>  
    <local-switching>...</local-switching>  
  </l2circuit>  
</protocols>  
</configuration>`
- Description** Configuration for Layer 2 circuits over MPLS.
- Contents** `<local-switching>`—Configuration of Layer 2 circuits local switching.  
`<neighbor>`—List of Layer 2 circuits to this neighbor.  
`<traceoptions>`—Trace options for Layer 2 circuits.

**<l2iw> (configuration/logical-systems/protocols)**

---

- Usage** `<configuration>  
  <logical-systems>  
    <protocols>  
      <l2iw>  
        <traceoptions>...</traceoptions>  
      </l2iw>  
    </protocols>  
  </logical-systems>  
</configuration>`
- Description** Configuration for Layer 2 interworking.
- Contents** `<traceoptions>`—Trace options for Layer 2 circuits.

**<l2iw> (configuration/protocols)**

---

- Usage** `<configuration>  
  <protocols>  
    <l2iw>  
      <traceoptions>...</traceoptions>  
    </l2iw>  
  </protocols>  
</configuration>`
- Description** Configuration for Layer 2 interworking.
- Contents** `<traceoptions>`—Trace options for Layer 2 circuits.

**<l2tp> (configuration/access/group-profile)**

---

**Usage** <configuration>  
           <access>  
             <group-profile>  
               **<l2tp>**  
                 <maximum-sessions-per-tunnel>*maximum-sessions-per-tunnel*  
                   </maximum-sessions-per-tunnel>  
                 <interface-id>*interface-id*</interface-id>   <!-- mandatory -->  
                 <lcp-renegotiation/>  
                 <local-chap/>  
                 <multilink>...</multilink>  
               **</l2tp>**  
             </group-profile>  
           </access>  
         </configuration>

**Description** Configuration for Layer 2 Tunneling Protocol.

**Contents** <interface-id>—Interface identifier for PPP users missing one.  
               <lcp-renegotiation>—Force renegotiation of LCP options.  
               <local-chap>—Force local CHAP challenge.  
               <maximum-sessions-per-tunnel>—Maximum number of sessions per L2TP tunnel.  
               <multilink>—Multilink Point-to-Point Protocol command options.

**<l2tp> (configuration/access/profile/client)**

---

**Usage** <configuration>  
           <access>  
             <profile>  
               <client>  
                 **<l2tp>**  
                   <maximum-sessions-per-tunnel>*maximum-sessions-per-tunnel*  
                     </maximum-sessions-per-tunnel>  
                   <interface-id>*interface-id*</interface-id>   <!-- mandatory -->  
                   <lcp-renegotiation/>  
                   <local-chap/>  
                   <multilink>...</multilink>  
                   <ppp-authentication>*ppp-authentication-choice*</ppp-authentication>  
                   <shared-secret>*shared-secret*</shared-secret>  
                   <ppp-profile>*ppp-profile*</ppp-profile>  
                 **</l2tp>**  
               </client>  
             </profile>  
           </access>  
         </configuration>

**Description** Configuration for Layer 2 Tunneling Protocol.

**Contents** <interface-id>—Interface identifier for PPP users missing one.

<lcp-renegotiation>—Force renegotiation of LCP options.

<local-chap>—Force local CHAP challenge.

<maximum-sessions-per-tunnel>—Maximum number of sessions per L2TP tunnel.

<multilink>—Multilink Point-to-Point Protocol command options.

<ppp-authentication>—Method for authenticating client.

■ chap—Challenge Handshake Authentication Protocol.

■ pap—Password Authentication Protocol.

<ppp-profile>—User profile name.

<shared-secret>—Shared secret for authenticating peer.

## <l2tp> (configuration/services)

---

**Usage**   <configuration>  
          <services>  
            <l2tp>  
              <tunnel-group>...</tunnel-group>  
              <traceoptions>...</traceoptions>  
            </l2tp>  
          </services>  
        </configuration>

**Description**   Configure Layer 2 Tunneling Protocol service.

**Contents**   <traceoptions>—Layer 2 Tunneling Protocol daemon trace options.  
              <tunnel-group>—Layer 2 Tunneling Protocol profile.

**<l2tp> (configuration/services/ggsn/apn)**

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               <apn>  
                 **<l2tp>**  
                   <l2tp-routing-instance>l2tp-routing-instance</l2tp-routing-instance>  
                   <hide-avps/>  
                   <lac-address>lac-address</lac-address>   <!-- mandatory -->  
                   <lns-server>...</lns-server>  
                   <secret>secret</secret>  
                   <hello-interval>seconds</hello-interval>  
                   <receive-window>receive-window</receive-window>  
                   <max-retry>max-retry</max-retry>  
                   <max-retry-timeout>seconds</max-retry-timeout>  
                   <copy-inner-ip-dscp/>  
                   <ppp>...</ppp>  
                 **</l2tp>**  
               </apn>  
             </ggsn>  
           </services>  
         </configuration>

**Description** L2TP settings.

**Contents** <copy-inner-ip-dscp>—Copy DSCP field from inner to outer IP-header.

<hello-interval>—Keepalive timer for the L2TP tunnel.

<hide-avps>—Hide L2TP AVPs.

<l2tp-routing-instance>—Routing instance for the L2TP network.

<lac-address>—GGSN (LAC) IP address.

<lns-server>—L2TP network server.

<max-retry>—Maximum number of retry attempts during L2TP negotiation.

<max-retry-timeout>—Maximum timeout between control channel retransmissions.

<ppp>—Point-to-point protocol settings.

<receive-window>—Size of receive window for the L2TP tunnel.

<secret>—Shared secret for tunnel authentication and AVP hiding.

**<l2vpn> (configuration/logical-systems/protocols/bgp/family)**

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <bgp>  
                 <family>  
                   **<l2vpn>**  
                     <signaling>...</signaling>  
                   **</l2vpn>**  
                 </family>  
               </bgp>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** MPLS-based Layer 2 VPN and VPLS NLRI parameters.

**Contents** <signaling>—Include Layer 2 VPN and VPLS signaling NLRI.

**<l2vpn> (configuration/logical-systems/protocols/bgp/group/family)**

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <bgp>  
                 <group>  
                   <family>  
                     **<l2vpn>**  
                       <signaling>...</signaling>  
                     **</l2vpn>**  
                   </family>  
                 </group>  
               </bgp>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** MPLS-based Layer 2 VPN and VPLS NLRI parameters.

**Contents** <signaling>—Include Layer 2 VPN and VPLS signaling NLRI.



**<l2vpn> (configuration/logical-systems/protocols/bgp/group/neighbor/family)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;protocols&gt;       &lt;bgp&gt;         &lt;group&gt;           &lt;neighbor&gt;             &lt;family&gt;               <b>&lt;l2vpn&gt;</b>                 &lt;signaling&gt;...&lt;/signaling&gt;               <b>&lt;/l2vpn&gt;</b>             &lt;/family&gt;           &lt;/neighbor&gt;         &lt;/group&gt;       &lt;/bgp&gt;     &lt;/protocols&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	MPLS-based Layer 2 VPN and VPLS NLRI parameters.
<b>Contents</b>	<signaling>—Include Layer 2 VPN and VPLS signaling NLRI.

## <l2vpn> (configuration/logical-systems/routing-instances/instance/protocols)

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <l2vpn>
            <traceoptions>...</traceoptions>
            <encapsulation-type>encapsulation-type-choice</encapsulation-type>
            <control-word/>
            <site-range>site-range</site-range>
            <mac-table-size>...</mac-table-size>
            <interface-mac-limit>...</interface-mac-limit>
            <mac-table-aging-time>seconds</mac-table-aging-time>
            <no-mac-learning/>
            <mac-statistics/>
            <interface>...</interface>
            <tunnel-services>...</tunnel-services>
            <no-tunnel-services/>
            <site>...</site>
            <community>community</community>
            <vpls-id>vpls-id</vpls-id>
            <mtu>mtu</mtu>
            <ignore-mtu-mismatch/>
            <mac-tlv-receive/>
            <mac-tlv-send/>
            <ignore-encapsulation-mismatch/>
            <neighbor>...</neighbor>
            <associate-profile>associate-profile</associate-profile>
            <mesh-group>...</mesh-group>
            <connectivity-type>connectivity-type-choice</connectivity-type>
          </l2vpn>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Layer 2 VPN configuration.

**Contents** <associate-profile>—Associate profile name for dynamic IFL.

<community>—Community associated with this VPLS instance.

<connectivity-type>—Specify type of interface sufficient to bring vpls connection up.

■ ce—CE interface is required.

■ irb—IRB interface is sufficient.

<control-word>—Add control word to the Layer 2 encapsulation.

<encapsulation-type>—Encapsulation type for VPN.

- atm-aal5—ATM AAL/5 encapsulation.
- atm-cell—ATM port promiscuous mode cell encapsulation.
- atm-cell-port-mode—ATM port promiscuous mode cell encapsulation.
- atm-cell-vc-mode—ATM non-promiscuous cell encapsulation.
- atm-cell-vp-mode—ATM VP promiscuous mode cell encapsulation.
- cesop—CESOP based Layer 2 VPN.
- cisco-hdlc—Cisco-compatible HDLC encapsulation.
- ethernet—Ethernet encapsulation.
- ethernet-vlan—Ethernet VLAN encapsulation.
- frame-relay—Frame Relay encapsulation.
- frame-relay-port-mode—Frame Relay port mode encapsulation.
- interworking—Layer 2.5 interworking VPN.
- ppp—PPP encapsulation.
- satop-e1—SATOP-E1 based Layer 2 VPN.
- satop-e3—SATOP-E3 based Layer 2 VPN.
- satop-t1—SATOP-T1 based Layer 2 VPN.
- satop-t3—SATOP-T3 based Layer 2 VPN.

<ignore-encapsulation-mismatch>—Allow different encapsulation types on local and remote end.

<ignore-mtu-mismatch>—Allow different MTU values on local and remote end.

<interface>—Interface that connect this site to the VPN.

<interface-mac-limit>—Maximum MAC address learned per interface.

<mac-statistics>—Enable MAC address statistics.

<mac-table-aging-time>—Delay for discarding MAC address if no updates are received.

<mac-table-size>—Size of MAC address forwarding table.

<mac-tlv-receive>—Turn on mac-tlv receive processing.

<mac-tlv-send>—Turn on mac-tlv send processing.

<mesh-group>—Mesh-group under this VPLS instance.

<mtu>—MTU to be advertised for these Layer 2 circuits.

<neighbor>—Neighbor for this VPLS instance.

<no-mac-learning>—Disable dynamic MAC address learning.

<no-tunnel-services>—Do not use tunnel services for this VPLS instance.

<site>—Sites connected to this provider equipment.

<site-range>—Maximum site identifier in this VPLS domain.

<traceoptions>—Trace options for Layer 2 VPN and VPLS.

<tunnel-services>—Use tunnel services for this VPLS instance.

<vpls-id>—Identifier for this VPLS instance.

## **<l2vpn> (configuration/logical-systems/routing-instances/instance/protocols/bgp/family)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <family>
              <l2vpn>
                <signaling>...</signaling>
              </l2vpn>
            </family>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** MPLS-based Layer 2 VPN and VPLS NLRI parameters.

**Contents** <signaling>—Include Layer 2 VPN and VPLS signaling NLRI.

**<l2vpn> (configuration/logical-systems/routing-instances/  
instance/protocols/bgp/group/family)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          **<l2vpn>**  
          <signaling>...</signaling>  
          **</l2vpn>**  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   MPLS-based Layer 2 VPN and VPLS NLRI parameters.

**Contents**    <signaling>—Include Layer 2 VPN and VPLS signaling NLRI.

## **<l2vpn> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/neighbor/family)**

---

**Usage** <configuration>  
 <logical-systems>  
 <routing-instances>  
 <instance>  
 <protocols>  
 <bgp>  
 <group>  
 <neighbor>  
 <family>  
**<l2vpn>**  
 <signaling>...</signaling>  
**</l2vpn>**  
 </family>  
 </neighbor>  
 </group>  
 </bgp>  
 </protocols>  
 </instance>  
 </routing-instances>  
 </logical-systems>  
 </configuration>

**Description** MPLS-based Layer 2 VPN and VPLS NLRI parameters.

**Contents** <signaling>—Include Layer 2 VPN and VPLS signaling NLRI.

## **<l2vpn> (configuration/protocols/bgp/family)**

---

**Usage** <configuration>  
 <protocols>  
 <bgp>  
 <family>  
**<l2vpn>**  
 <signaling>...</signaling>  
**</l2vpn>**  
 </family>  
 </bgp>  
 </protocols>  
 </configuration>

**Description** MPLS-based Layer 2 VPN and VPLS NLRI parameters.

**Contents** <signaling>—Include Layer 2 VPN and VPLS signaling NLRI.

**<l2vpn> (configuration/protocols/bgp/group/family)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <group>  
                 <family>  
                   **<l2vpn>**  
                     <signaling>...</signaling>  
                   **</l2vpn>**  
                 </family>  
               </group>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** MPLS-based Layer 2 VPN and VPLS NLRI parameters.

**Contents** <signaling>—Include Layer 2 VPN and VPLS signaling NLRI.

**<l2vpn> (configuration/protocols/bgp/group/neighbor/family)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <group>  
                 <neighbor>  
                   <family>  
                     **<l2vpn>**  
                       <signaling>...</signaling>  
                     **</l2vpn>**  
                   </family>  
                 </neighbor>  
               </group>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** MPLS-based Layer 2 VPN and VPLS NLRI parameters.

**Contents** <signaling>—Include Layer 2 VPN and VPLS signaling NLRI.

**<l2vpn> (configuration/routing-instances/instance/protocols)**

**Usage** <configuration>  
 <routing-instances>  
 <instance>  
 <protocols>  
 <l2vpn>  
 <traceoptions>...</traceoptions>  
 <encapsulation-type>encapsulation-type-choice</encapsulation-type>  
 <control-word/>  
 <site-range>site-range</site-range>  
 <mac-table-size>...</mac-table-size>  
 <interface-mac-limit>...</interface-mac-limit>  
 <mac-table-aging-time>seconds</mac-table-aging-time>  
 <no-mac-learning/>  
 <mac-statistics/>  
 <interface>...</interface>  
 <tunnel-services>...</tunnel-services>  
 <no-tunnel-services/>  
 <site>...</site>  
 <community>community</community>  
 <vpls-id>vpls-id</vpls-id>  
 <mtu>mtu</mtu>  
 <ignore-mtu-mismatch/>  
 <mac-tlv-receive/>  
 <mac-tlv-send/>  
 <ignore-encapsulation-mismatch/>  
 <neighbor>...</neighbor>  
 <associate-profile>associate-profile</associate-profile>  
 <mesh-group>...</mesh-group>  
 <connectivity-type>connectivity-type-choice</connectivity-type>  
 </l2vpn>  
 </protocols>  
 </instance>  
 </routing-instances>  
 </configuration>

**Description** Layer 2 VPN configuration.

**Contents** <associate-profile>—Associate profile name for dynamic IFL.

<community>—Community associated with this VPLS instance.

<connectivity-type>—Specify type of interface sufficient to bring vpls connection up.

- ce—CE interface is required.
- irb—IRB interface is sufficient.

<control-word>—Add control word to the Layer 2 encapsulation.

<encapsulation-type>—Encapsulation type for VPN.

- atm-aal5—ATM AAL/5 encapsulation.



- atm-cell—ATM port promiscuous mode cell encapsulation.
  - atm-cell-port-mode—ATM port promiscuous mode cell encapsulation.
  - atm-cell-vc-mode—ATM non-promiscuous cell encapsulation.
  - atm-cell-vp-mode—ATM VP promiscuous mode cell encapsulation.
  - cesop—CESOP based Layer 2 VPN.
  - cisco-hdlc—Cisco-compatible HDLC encapsulation.
  - ethernet—Ethernet encapsulation.
  - ethernet-vlan—Ethernet VLAN encapsulation.
  - frame-relay—Frame Relay encapsulation.
  - frame-relay-port-mode—Frame Relay port mode encapsulation.
  - interworking—Layer 2.5 interworking VPN.
  - ppp—PPP encapsulation.
  - satop-e1—SATOP-E1 based Layer 2 VPN.
  - satop-e3—SATOP-E3 based Layer 2 VPN.
  - satop-t1—SATOP-T1 based Layer 2 VPN.
  - satop-t3—SATOP-T3 based Layer 2 VPN.
- <ignore-encapsulation-mismatch>—Allow different encapsulation types on local and remote end.
- <ignore-mtu-mismatch>—Allow different MTU values on local and remote end.
- <interface>—Interface that connect this site to the VPN.
- <interface-mac-limit>—Maximum MAC address learned per interface.
- <mac-statistics>—Enable MAC address statistics.
- <mac-table-aging-time>—Delay for discarding MAC address if no updates are received.
- <mac-table-size>—Size of MAC address forwarding table.
- <mac-tlv-receive>—Turn on mac-tlv receive processing.
- <mac-tlv-send>—Turn on mac-tlv send processing.
- <mesh-group>—Mesh-group under this VPLS instance.
- <mtu>—MTU to be advertised for these Layer 2 circuits.

<neighbor>—Neighbor for this VPLS instance.

<no-mac-learning>—Disable dynamic MAC address learning.

<no-tunnel-services>—Do not use tunnel services for this VPLS instance.

<site>—Sites connected to this provider equipment.

<site-range>—Maximum site identifier in this VPLS domain.

<traceoptions>—Trace options for Layer 2 VPN and VPLS.

<tunnel-services>—Use tunnel services for this VPLS instance.

<vpls-id>—Identifier for this VPLS instance.

## **<l2vpn> (configuration/routing-instances/instance/protocols/bgp/family)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <family>
            <l2vpn>
              <signaling>...</signaling>
            </l2vpn>
          </family>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** MPLS-based Layer 2 VPN and VPLS NLRI parameters.

**Contents** <signaling>—Include Layer 2 VPN and VPLS signaling NLRI.

## **<l2vpn> (configuration/routing-instances/instance/protocols/bgp/group/family)**

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <protocols>  
                 <bgp>  
                   <group>  
                     <family>  
                       **<l2vpn>**  
                         <signaling>...</signaling>  
                       **</l2vpn>**  
                     </family>  
                   </group>  
                 </bgp>  
               </protocols>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** MPLS-based Layer 2 VPN and VPLS NLRI parameters.

**Contents** <signaling>—Include Layer 2 VPN and VPLS signaling NLRI.

## **<l2vpn> (configuration/routing-instances/instance/protocols/bgp/group/neighbor/family)**

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <protocols>  
                 <bgp>  
                   <group>  
                     <neighbor>  
                       <family>  
                       **<l2vpn>**  
                         <signaling>...</signaling>  
                       **</l2vpn>**  
                     </family>  
                   </neighbor>  
                 </group>  
               </bgp>  
               </protocols>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** MPLS-based Layer 2 VPN and VPLS NLRI parameters.

**Contents** <signaling>—Include Layer 2 VPN and VPLS signaling NLRI.

## <label-map> (configuration/logical-systems/protocols/mpls/interface)

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <mpls>
        <interface>
          <label-map>
            <name>name</name>    <!-- identifier -->
            <next-hop>next-hop</next-hop>
            <reject/>
            <discard/>
            <swap>swap</swap>
            <swap-label>swap-label</swap-label>
            <push-label>push-label</push-label>
            <pop/>
            <preference>preference</preference>
            <class-of-service>class-of-service</class-of-service>
          </label-map>
        </interface>
      </mpls>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Label to match.

**Contents** <class-of-service>—Class-of-service value.

<discard>—Silently discard the packet.

<name>—Label value in range 1000000 through 1048575.

<next-hop>—Address or interface of next-hop router.

<pop>—Remove the label from the top of the label stack.

<preference>—Preference value.

<push-label>—Label value to push on top.

<reject>—Reject the packet.

<swap>—Remove and replace label from the top of the label stack.

<swap-label>—Label value to swap.

**<label-map> (configuration/protocols/mpls/interface)**

---

**Usage** <configuration>  
 <protocols>  
 <mpls>  
 <interface>  
   **<label-map>**  
     <name>*name*</name>   <!-- identifier -->  
     <next-hop>*next-hop*</next-hop>  
     <reject/>  
     <discard/>  
     <swap>*swap*</swap>  
     <swap-label>*swap-label*</swap-label>  
     <push-label>*push-label*</push-label>  
     <pop/>  
     <preference>*preference*</preference>  
     <class-of-service>*class-of-service*</class-of-service>  
   **</label-map>**  
 </interface>  
</mpls>  
</protocols>  
</configuration>

**Description** Label to match.

**Contents** <class-of-service>—Class-of-service value.

<discard>—Silently discard the packet.

<name>—Label value in range 1000000 through 1048575.

<next-hop>—Address or interface of next-hop router.

<pop>—Remove the label from the top of the label stack.

<preference>—Preference value.

<push-label>—Label value to push on top.

<reject>—Reject the packet.

<swap>—Remove and replace label from the top of the label stack.

<swap-label>—Label value to swap.

## **<label-position> (configuration/services/flow-monitoring/version9/template/ipv4-template/nexthop-options/mpls)**

---

**Usage** <configuration>  
     <services>  
         <flow-monitoring>  
             <version9>  
                 <template>  
                     <ipv4-template>  
                         <nexthop-options>  
                             <mpls>  
                                 **<label-position>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</label-position>**  
                             </mpls>  
                         </nexthop-options>  
                     </ipv4-template>  
                 </template>  
             </version9>  
         </flow-monitoring>  
     </services>  
 </configuration>

**Description** One or more MPLS label positions.

**Contents** <name>—One or more MPLS label positions.

## **<label-position> (configuration/services/flow-monitoring/version9/template/mpls-ipv4-template)**

---

**Usage** <configuration>  
     <services>  
         <flow-monitoring>  
             <version9>  
                 <template>  
                     <mpls-ipv4-template>  
                         **<label-position>**  
                             <name>name</name>   <!-- identifier -->  
                         **</label-position>**  
                     </mpls-ipv4-template>  
                 </template>  
             </version9>  
         </flow-monitoring>  
     </services>  
 </configuration>

**Description** One or more MPLS label positions.

**Contents** <name>—One or more MPLS label positions.

## **<label-position> (configuration/services/flow-monitoring/version9/template/mpls-template)**

---

**Usage** <configuration>  
     <services>  
         <flow-monitoring>  
             <version9>  
                 <template>  
                     <mpls-template>  
                         **<label-position>**  
                             <name>*name*</name>   <!-- identifier -->  
                         **</label-position>**  
                     </mpls-template>  
                 </template>  
             </version9>  
         </flow-monitoring>  
     </services>  
 </configuration>

**Description** One or more MPLS label positions.

**Contents** <name>—One or more MPLS label positions.

## **<label-switched-path> (configuration/logical-systems/protocols/isis)**

---

**Usage** <configuration>  
     <logical-systems>  
         <protocols>  
             <isis>  
                 **<label-switched-path>**  
                     <name>*name*</name>   <!-- identifier -->  
                     <level>...</level>  
                 **</label-switched-path>**  
             </isis>  
         </protocols>  
     </logical-systems>  
 </configuration>

**Description** Configuration for advertisement of a label-switched path.

**Contents** <level>—Level to advertise this label-switched path.

<name>—Name of label-switched path to be advertised.

## **<label-switched-path> (configuration/logical-systems/protocols/link-management/te-link)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <link-management>  
          <te-link>  
            **<label-switched-path>**  
              <name>*name*</name>    <!-- identifier -->  
              <local-address>*local-address*</local-address>  
              <remote-address>*remote-address*</remote-address>  
              <remote-id>*remote-id*</remote-id>  
              <disable/>  
              **</label-switched-path>**  
            </te-link>  
          </link-management>  
          </protocols>  
          </logical-systems>  
        </configuration>

**Description**   Member forwarding adjacency LSP of TE link.

**Contents**   <disable>—Disable resource on this TE link.

              <local-address>—Local address of the resource.

              <name>—Name of label-switched path.

              <remote-address>—Remote address of the resource.

              <remote-id>—Interface ID for the remote end of the resource.



## <label-switched-path> (configuration/logical-systems/protocols/mpls)

---

```

Usage <configuration>
      <logical-systems>
        <protocols>
          <mpls>
            <label-switched-path>
              <name>name</name>    <!-- identifier -->
              <disable/>
              <traceoptions>...</traceoptions>
              <no-install-to-address/>
              <from>from</from>
              <to>to</to>
              <template/>
              <ldp-tunneling/>
              <metric>metric</metric>
              <soft-preemption/>
              <install>...</install>
              <retry-timer>seconds</retry-timer>
              <retry-limit>retry-limit</retry-limit>
              <lsp-attributes>...</lsp-attributes>
              <revert-timer>seconds</revert-timer>
              <bandwidth>...</bandwidth>
              <class-of-service>class-of-service</class-of-service>
              <no-decrement-ttl/>
              <hop-limit>hop-limit</hop-limit>
              <no-cspf/>
              <admin-down/>
              <optimize-timer>seconds</optimize-timer>
              <preference>preference</preference>
              <setup-priority>setup-priority</setup-priority>
              <reservation-priority>reservation-priority</reservation-priority>
              <record/>
              <standby/>
              <admin-group>...</admin-group>
              <oam>...</oam>
              <random/>
              <least-fill/>
              <most-fill/>
              <description>description</description>
              <link-protection/>
              <node-link-protection/>
              <adaptive/>
              <fast-reroute>...</fast-reroute>
              <p2mp>...</p2mp>
              <auto-bandwidth>...</auto-bandwidth>
              <primary>...</primary>
              <secondary>...</secondary>
              <policing>...</policing>
              <associate-backup-pe-groups/>
            </label-switched-path>
          </mpls>
        </protocols>

```

```

    </logical-systems>
  </configuration>

```

**Description** Label-switched path.

**Contents**

- <adaptive>—Have the LSP smoothly cut over to new routes.
- <admin-down>—Keep the LSP in administrative down state.
- <admin-group>—Administrative group policy.
- <associate-backup-pe-groups>—Associate this LSP with backup-pe groups.
- <auto-bandwidth>—Do auto bandwidth allocation for this LSP.
- <bandwidth>—Bandwidth to reserve (bps).
- <class-of-service>—Class-of-service value.
- <description>—Text description of label-switched path.
- <disable>—Disable MPLS label-switched path.
- <fast-reroute>—Fast reroute.
- <from>—Address of ingress router.
- <hop-limit>—Maximum allowed router hops.
- <install>—Install prefix.
- <ldp-tunneling>—Allow LDP to use this LSP for tunneling.
- <least-fill>—Select the least filled among equal-cost paths.
- <link-protection>—Protect LSP from link faults only.
- <lsp-attributes>—Attributes for generalized LSP.
- <metric>—Metric value.
- <most-fill>—Select the most filled among equal-cost paths.
- <name>—Name of path.
- <no-cspf>—Disable automatic path computation.
- <no-decrement-ttl>—Do not decrement the TTL within an LSP.
- <no-install-to-address>—Don't install host route 'to' address into routing tables.
- <node-link-protection>—Protect LSP from both link and node faults.
- <oam>—Periodic OAM.
- <optimize-timer>—Periodical path reoptimizations.

<p2mp>—Point-to-multipoint label-switched path.

<policing>—Traffic policing for this LSP.

<preference>—Preference value.

<primary>—Preferred path.

<random>—Randomly select among equal-cost paths.

<record>—Record transit routers.

<reservation-priority>—Reservation priority.

<retry-limit>—Maximum number of times to retry primary path.

<retry-timer>—Time before retrying the primary path.

<revert-timer>—Hold-down window before reverting back to primary path, 0 means disable.

<secondary>—Backup path.

<setup-priority>—Set-up priority.

<soft-preemption>—Attempt make-before-break service while preempting this LSP.

<standby>—Keep backup paths in continuous standby.

<template>—Template for dynamic lsp paramaters.

<to>—Address of egress router.

<traceoptions>—Trace options for MPLS label-switched path.

## **<label-switched-path> (configuration/logical-systems/protocols/ospf/area)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <ospf>  
          <area>  
            **<label-switched-path>**  
              <name>*name*</name>   <!-- identifier -->  
              <disable/>  
              <metric>*metric*</metric>  
              <topology>...</topology>  
            **</label-switched-path>**  
          </area>  
        </ospf>  
      </protocols>  
    </logical-systems>  
  </configuration>

**Description**   Configuration for advertisement of a label-switched path.

**Contents**   <disable>—Disable OSPF on this label-switched path.

          <metric>—Interface metric.

          <name>—Name of label-switched path to be advertised.

          <topology>—Topology specific attributes.

## **<label-switched-path> (configuration/logical-systems/protocols/ospf3/area)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <protocols>  
               <ospf3>  
               <area>  
                   **<label-switched-path>**  
                     <name>*name*</name>   <!-- identifier -->  
                     <disable/>  
                     <metric>*metric*</metric>  
                     <topology>...</topology>  
                   **</label-switched-path>**  
               </area>  
               </ospf3>  
               </protocols>  
               </logical-systems>  
               </configuration>

**Description**   Configuration for advertisement of a label-switched path.

**Contents**   <disable>—Disable OSPF on this label-switched path.

              <metric>—Interface metric.

              <name>—Name of label-switched path to be advertised.

              <topology>—Topology specific attributes.

## **<label-switched-path> (configuration/logical-systems/protocols/ospf3/realm/area)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <ospf3>
        <realm>
          <area>
            <label-switched-path>
              <name>name</name>    <!-- identifier -->
              <disable/>
              <metric>metric</metric>
              <topology>...</topology>
            </label-switched-path>
          </area>
        </realm>
      </ospf3>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Configuration for advertisement of a label-switched path.

**Contents** <disable>—Disable OSPF on this label-switched path.

<metric>—Interface metric.

<name>—Name of label-switched path to be advertised.

<topology>—Topology specific attributes.

## **<label-switched-path> (configuration/logical-systems/ routing-instances/instance/protocols/isis)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <isis>  
             **<label-switched-path>**  
               <name>*name*</name>   <!-- identifier -->  
               <level>...</level>  
             **</label-switched-path>**  
           </isis>  
         </protocols>  
       </instance>  
   </routing-instances>  
</logical-systems>  
</configuration>

**Description**   Configuration for advertisement of a label-switched path.

**Contents**   <level>—Level to advertise this label-switched path.

          <name>—Name of label-switched path to be advertised.

## **<label-switched-path> (configuration/logical-systems/routing-instances/instance/protocols/ospf/area)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <ospf>
            <area>
              <label-switched-path>
                <name>name</name>    <!-- identifier -->
                <disable/>
                <metric>metric</metric>
                <topology>...</topology>
              </label-switched-path>
            </area>
          </ospf>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Configuration for advertisement of a label-switched path.

**Contents** <disable>—Disable OSPF on this label-switched path.

<metric>—Interface metric.

<name>—Name of label-switched path to be advertised.

<topology>—Topology specific attributes.



## **<label-switched-path> (configuration/logical-systems/routing-instances/instance/protocols/ospf3/area)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <ospf3>  
           <area>  
               **<label-switched-path>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <disable/>  
                   <metric>*metric*</metric>  
                   <topology>...</topology>  
               **</label-switched-path>**  
           </area>  
           </ospf3>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Configuration for advertisement of a label-switched path.

**Contents**   <disable>—Disable OSPF on this label-switched path.

          <metric>—Interface metric.

          <name>—Name of label-switched path to be advertised.

          <topology>—Topology specific attributes.

## **<label-switched-path> (configuration/logical-systems/routing-instances/instance/protocols/ospf3/realm/area)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <ospf3>
            <realm>
              <area>
                <label-switched-path>
                  <name>name</name>    <!-- identifier -->
                  <disable/>
                  <metric>metric</metric>
                  <topology>...</topology>
                </label-switched-path>
              </area>
            </realm>
          </ospf3>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Configuration for advertisement of a label-switched path.

**Contents** <disable>—Disable OSPF on this label-switched path.

<metric>—Interface metric.

<name>—Name of label-switched path to be advertised.

<topology>—Topology specific attributes.

**<label-switched-path> (configuration/protocols/isis)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;isis&gt;       &lt;label-switched-path&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;level&gt;...&lt;/level&gt;       &lt;/label-switched-path&gt;     &lt;/isis&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Configuration for advertisement of a label-switched path.
<b>Contents</b>	<p>&lt;level&gt;—Level to advertise this label-switched path.</p> <p>&lt;name&gt;—Name of label-switched path to be advertised.</p>

**<label-switched-path> (configuration/protocols/link-management/te-link)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;link-management&gt;       &lt;te-link&gt;         &lt;label-switched-path&gt;           &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;           &lt;local-address&gt;local-address&lt;/local-address&gt;           &lt;remote-address&gt;remote-address&lt;/remote-address&gt;           &lt;remote-id&gt;remote-id&lt;/remote-id&gt;           &lt;disable/&gt;         &lt;/label-switched-path&gt;       &lt;/te-link&gt;     &lt;/link-management&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Member forwarding adjacency LSP of TE link.
<b>Contents</b>	<p>&lt;disable&gt;—Disable resource on this TE link.</p> <p>&lt;local-address&gt;—Local address of the resource.</p> <p>&lt;name&gt;—Name of label-switched path.</p> <p>&lt;remote-address&gt;—Remote address of the resource.</p> <p>&lt;remote-id&gt;—Interface ID for the remote end of the resource.</p>

**<label-switched-path> (configuration/protocols/mpls)**

```

Usage  <configuration>
      <protocols>
      <mpls>
        <label-switched-path>
          <name>name</name>    <!-- identifier -->
          <disable/>
          <traceoptions>...</traceoptions>
          <no-install-to-address/>
          <from>from</from>
          <to>to</to>
          <template/>
          <ldp-tunneling/>
          <metric>metric</metric>
          <soft-preemption/>
          <install>...</install>
          <retry-timer>seconds</retry-timer>
          <retry-limit>retry-limit</retry-limit>
          <lsp-attributes>...</lsp-attributes>
          <revert-timer>seconds</revert-timer>
          <bandwidth>...</bandwidth>
          <class-of-service>class-of-service</class-of-service>
          <no-decrement-ttl/>
          <hop-limit>hop-limit</hop-limit>
          <no-cspf/>
          <admin-down/>
          <optimize-timer>seconds</optimize-timer>
          <preference>preference</preference>
          <setup-priority>setup-priority</setup-priority>
          <reservation-priority>reservation-priority</reservation-priority>
          <record/>
          <standby/>
          <admin-group>...</admin-group>
          <oam>...</oam>
          <random/>
          <least-fill/>
          <most-fill/>
          <description>description</description>
          <link-protection/>
          <node-link-protection/>
          <adaptive/>
          <fast-reroute>...</fast-reroute>
          <p2mp>...</p2mp>
          <auto-bandwidth>...</auto-bandwidth>
          <primary>...</primary>
          <secondary>...</secondary>
          <policing>...</policing>
          <associate-backup-pe-groups/>
        </label-switched-path>
      </mpls>
    </protocols>
  </configuration>

```

**Description** Label-switched path.

**Contents**

- <adaptive>—Have the LSP smoothly cut over to new routes.
- <admin-down>—Keep the LSP in administrative down state.
- <admin-group>—Administrative group policy.
- <associate-backup-pe-groups>—Associate this LSP with backup-pe groups.
- <auto-bandwidth>—Do auto bandwidth allocation for this LSP.
- <bandwidth>—Bandwidth to reserve (bps).
- <class-of-service>—Class-of-service value.
- <description>—Text description of label-switched path.
- <disable>—Disable MPLS label-switched path.
- <fast-reroute>—Fast reroute.
- <from>—Address of ingress router.
- <hop-limit>—Maximum allowed router hops.
- <install>—Install prefix.
- <ldp-tunneling>—Allow LDP to use this LSP for tunneling.
- <least-fill>—Select the least filled among equal-cost paths.
- <link-protection>—Protect LSP from link faults only.
- <lsp-attributes>—Attributes for generalized LSP.
- <metric>—Metric value.
- <most-fill>—Select the most filled among equal-cost paths.
- <name>—Name of path.
- <no-cspf>—Disable automatic path computation.
- <no-decrement-ttl>—Do not decrement the TTL within an LSP.
- <no-install-to-address>—Don't install host route 'to' address into routing tables.
- <node-link-protection>—Protect LSP from both link and node faults.
- <oam>—Periodic OAM.
- <optimize-timer>—Periodical path reoptimizations.
- <p2mp>—Point-to-multipoint label-switched path.

<policing>—Traffic policing for this LSP.

<preference>—Preference value.

<primary>—Preferred path.

<random>—Randomly select among equal-cost paths.

<record>—Record transit routers.

<reservation-priority>—Reservation priority.

<retry-limit>—Maximum number of times to retry primary path.

<retry-timer>—Time before retrying the primary path.

<revert-timer>—Hold-down window before reverting back to primary path, 0 means disable.

<secondary>—Backup path.

<setup-priority>—Set-up priority.

<soft-preemption>—Attempt make-before-break service while preempting this LSP.

<standby>—Keep backup paths in continuous standby.

<template>—Template for dynamic lsp parameters.

<to>—Address of egress router.

<traceoptions>—Trace options for MPLS label-switched path.

**<label-switched-path> (configuration/protocols/ospf/area)**

---

**Usage** <configuration>  
           <protocols>  
           <ospf>  
           <area>  
             **<label-switched-path>**  
               <name>*name*</name>   <!-- identifier -->  
               <disable/>  
               <metric>*metric*</metric>  
               <topology>...</topology>  
             **</label-switched-path>**  
           </area>  
         </ospf>  
       </protocols>  
     </configuration>

**Description** Configuration for advertisement of a label-switched path.

**Contents** <disable>—Disable OSPF on this label-switched path.

<metric>—Interface metric.

<name>—Name of label-switched path to be advertised.

<topology>—Topology specific attributes.

**<label-switched-path> (configuration/protocols/ospf3/area)**

---

**Usage** <configuration>  
           <protocols>  
           <ospf3>  
           <area>  
             **<label-switched-path>**  
               <name>*name*</name>   <!-- identifier -->  
               <disable/>  
               <metric>*metric*</metric>  
               <topology>...</topology>  
             **</label-switched-path>**  
           </area>  
         </ospf3>  
       </protocols>  
     </configuration>

**Description** Configuration for advertisement of a label-switched path.

**Contents** <disable>—Disable OSPF on this label-switched path.

<metric>—Interface metric.

<name>—Name of label-switched path to be advertised.

<topology>—Topology specific attributes.

**<label-switched-path> (configuration/protocols/ospf3/realm/area)**

---

**Usage** <configuration>  
           <protocols>  
             <ospf3>  
               <realm>  
                 <area>  
                   **<label-switched-path>**  
                     <name>*name*</name>   <!-- identifier -->  
                     <disable/>  
                     <metric>*metric*</metric>  
                     <topology>...</topology>  
                   **</label-switched-path>**  
                 </area>  
               </realm>  
             </ospf3>  
           </protocols>  
         </configuration>

**Description** Configuration for advertisement of a label-switched path.

**Contents** <disable>—Disable OSPF on this label-switched path.

<metric>—Interface metric.

<name>—Name of label-switched path to be advertised.

<topology>—Topology specific attributes.

**<label-switched-path> (configuration/routing-instances/instance/protocols/isis)**

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <protocols>  
                 <isis>  
                   **<label-switched-path>**  
                     <name>*name*</name>   <!-- identifier -->  
                     <level>...</level>  
                   **</label-switched-path>**  
                 </isis>  
               </protocols>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** Configuration for advertisement of a label-switched path.

**Contents** <level>—Level to advertise this label-switched path.

<name>—Name of label-switched path to be advertised.



**<label-switched-path> (configuration/routing-instances/instance/protocols/ospf/area)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <ospf>  
          <area>  
            **<label-switched-path>**  
              <name>*name*</name>   <!-- identifier -->  
              <disable/>  
              <metric>*metric*</metric>  
              <topology>...</topology>  
            **</label-switched-path>**  
          </area>  
          </ospf>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Configuration for advertisement of a label-switched path.

- Contents**   <disable>—Disable OSPF on this label-switched path.
- <metric>—Interface metric.
- <name>—Name of label-switched path to be advertised.
- <topology>—Topology specific attributes.

## **<label-switched-path> (configuration/routing-instances/instance/protocols/ospf3/area)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <ospf3>  
           <area>  
             **<label-switched-path>**  
               <name>*name*</name>   <!-- identifier -->  
               <disable/>  
               <metric>*metric*</metric>  
               <topology>...</topology>  
             **</label-switched-path>**  
           </area>  
         </ospf3>  
       </protocols>  
   </instance>  
</routing-instances>  
</configuration>

**Description**   Configuration for advertisement of a label-switched path.

**Contents**   <disable>—Disable OSPF on this label-switched path.

          <metric>—Interface metric.

          <name>—Name of label-switched path to be advertised.

          <topology>—Topology specific attributes.

## **<label-switched-path> (configuration/routing-instances/instance/protocols/ospf3/realm/area)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <ospf3>  
           <realm>  
           <area>  
               **<label-switched-path>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <disable/>  
                   <metric>*metric*</metric>  
                   <topology>...</topology>  
               **</label-switched-path>**  
           </area>  
           </realm>  
           </ospf3>  
           </protocols>  
           </instance>  
           </routing-instances>  
         </configuration>

**Description**   Configuration for advertisement of a label-switched path.

**Contents**   <disable>—Disable OSPF on this label-switched path.

          <metric>—Interface metric.

          <name>—Name of label-switched path to be advertised.

          <topology>—Topology specific attributes.

## **<label-switched-path-template> (configuration/logical-systems/routing-instances/instance/provider-tunnel/rsvp-te)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <provider-tunnel>  
           <rsvp-te>  
             **<label-switched-path-template>**  
               <template-name>*template-name*</template-name>  
               <default-template/>  
             **</label-switched-path-template>**  
           </rsvp-te>  
           </provider-tunnel>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
         </configuration>

**Description**   Template for dynamic point-to-multipoint LSP parameters.

**Contents**   <default-template>—Use default parameters.

          <template-name>—Name of point-to-multipoint LSP template.

**<label-switched-path-template> (configuration/logical-systems/  
routing-instances/instance/provider-tunnel/selective/group/  
source/rsvp-te)**

---

```

Usage  <configuration>
      <logical-systems>
      <routing-instances>
      <instance>
      <provider-tunnel>
      <selective>
      <group>
      <source>
      <rsvp-te>
        <label-switched-path-template>
          <template-name>template-name</template-name>
          <default-template/>
        </label-switched-path-template>
      </rsvp-te>
    </source>
  </group>
</selective>
</provider-tunnel>
</instance>
</routing-instances>
</logical-systems>
</configuration>

```

**Description**    Template for dynamic point-to-multipoint LSP parameters.

**Contents**    <default-template>—Use default parameters.

                 <template-name>—Name of point-to-multipoint LSP template.

## **<label-switched-path-template> (configuration/routing-instances/instance/provider-tunnel/rsvp-te)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <provider-tunnel>  
                 <rsvp-te>  
                     **<label-switched-path-template>**  
                         <template-name>*template-name*</template-name>  
                         <default-template/>  
                     **</label-switched-path-template>**  
                 </rsvp-te>  
             </provider-tunnel>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Template for dynamic point-to-multipoint LSP parameters.

**Contents** <default-template>—Use default parameters.

<template-name>—Name of point-to-multipoint LSP template.

## **<label-switched-path-template> (configuration/routing-instances/instance/provider-tunnel/selective/group/source/rsvp-te)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <provider-tunnel>  
                 <selective>  
                     <group>  
                         <source>  
                             <rsvp-te>  
                                 **<label-switched-path-template>**  
                                     <template-name>*template-name*</template-name>  
                                     <default-template/>  
                                 **</label-switched-path-template>**  
                     </rsvp-te>  
                 </source>  
             </group>  
         </selective>  
     </provider-tunnel>  
     </instance>  
 </routing-instances>  
 </configuration>

**Description** Template for dynamic point-to-multipoint LSP parameters.

**Contents** <default-template>—Use default parameters.

<template-name>—Name of point-to-multipoint LSP template.

## **<labeled-unicast> (configuration/logical-systems/protocols/bgp/family/inet)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <bgp>  
           <family>  
           <inet>  
             **<labeled-unicast>**  
               <prefix-limit>...</prefix-limit>  
               <accepted-prefix-limit>...</accepted-prefix-limit>  
               <rib-group>...</rib-group>  
               <aggregate-label>...</aggregate-label>  
               <per-group-label/>  
               <traffic-statistics>...</traffic-statistics>  
               <rib>...</rib>  
               <explicit-null>...</explicit-null>  
               <resolve-vpn/>  
             **</labeled-unicast>**  
           </inet>  
           </family>  
           </bgp>  
           </protocols>  
           </logical-systems>  
         </configuration>

**Description** Include labeled unicast NLRI.

**Contents** <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.

<aggregate-label>—Aggregate labels of incoming routes with the same FEC.

<explicit-null>—Advertise explicit null.

<per-group-label>—Advertise prefixes with unique labels per group.

<prefix-limit>—Limit maximum number of prefixes from a peer.

<resolve-vpn>—Install received NLRI in inet.3 also.

<rib>—Select table used by labeled unicast routes.

<rib-group>—Routing table group.

<traffic-statistics>—Collect statistics for BGP label-switched paths.

## **<labeled-unicast> (configuration/logical-systems/protocols/bgp/family/inet6)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <family>
          <inet6>
            <labeled-unicast>
              <prefix-limit>...</prefix-limit>
              <accepted-prefix-limit>...</accepted-prefix-limit>
              <rib-group>...</rib-group>
              <aggregate-label>...</aggregate-label>
              <per-group-label/>
              <traffic-statistics>...</traffic-statistics>
              <explicit-null>explicit-null</explicit-null>    <!-- mandatory -->
            </labeled-unicast>
          </inet6>
        </family>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Include labeled unicast NLRI.

**Contents** <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.

<aggregate-label>—Aggregate labels of incoming routes with the same FEC.

<explicit-null>—Advertise explicit null.

<per-group-label>—Advertise prefixes with unique labels per group.

<prefix-limit>—Limit maximum number of prefixes from a peer.

<rib-group>—Routing table group.

<traffic-statistics>—Collect statistics for BGP label-switched paths.



## **<labeled-unicast> (configuration/logical-systems/protocols/bgp/group/family/inet)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <bgp>  
           <group>  
           <family>  
           <inet>  
               **<labeled-unicast>**  
                   <prefix-limit>...</prefix-limit>  
                   <accepted-prefix-limit>...</accepted-prefix-limit>  
                   <rib-group>...</rib-group>  
                   <aggregate-label>...</aggregate-label>  
                   <per-group-label/>  
                   <traffic-statistics>...</traffic-statistics>  
                   <rib>...</rib>  
                   <explicit-null>...</explicit-null>  
                   <resolve-vpn/>  
               **</labeled-unicast>**  
           </inet>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </logical-systems>  
           </configuration>

**Description** Include labeled unicast NLRI.

**Contents** <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.  
               <aggregate-label>—Aggregate labels of incoming routes with the same FEC.  
               <explicit-null>—Advertise explicit null.  
               <per-group-label>—Advertise prefixes with unique labels per group.  
               <prefix-limit>—Limit maximum number of prefixes from a peer.  
               <resolve-vpn>—Install received NLRI in inet.3 also.  
               <rib>—Select table used by labeled unicast routes.  
               <rib-group>—Routing table group.  
               <traffic-statistics>—Collect statistics for BGP label-switched paths.

## **<labeled-unicast> (configuration/logical-systems/protocols/bgp/group/family/inet6)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <family>
            <inet6>
              <labeled-unicast>
                <prefix-limit>...</prefix-limit>
                <accepted-prefix-limit>...</accepted-prefix-limit>
                <rib-group>...</rib-group>
                <aggregate-label>...</aggregate-label>
                <per-group-label/>
                <traffic-statistics>...</traffic-statistics>
                <explicit-null>explicit-null</explicit-null>    <!-- mandatory -->
              </labeled-unicast>
            </inet6>
          </family>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Include labeled unicast NLRI.

**Contents**

- <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.
- <aggregate-label>—Aggregate labels of incoming routes with the same FEC.
- <explicit-null>—Advertise explicit null.
- <per-group-label>—Advertise prefixes with unique labels per group.
- <prefix-limit>—Limit maximum number of prefixes from a peer.
- <rib-group>—Routing table group.
- <traffic-statistics>—Collect statistics for BGP label-switched paths.

## **<labeled-unicast> (configuration/logical-systems/protocols/bgp/group/neighbor/family/inet)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet>
                <labeled-unicast>
                  <prefix-limit>...</prefix-limit>
                  <accepted-prefix-limit>...</accepted-prefix-limit>
                  <rib-group>...</rib-group>
                  <aggregate-label>...</aggregate-label>
                  <per-group-label/>
                  <traffic-statistics>...</traffic-statistics>
                  <rib>...</rib>
                  <explicit-null>...</explicit-null>
                  <resolve-vpn/>
                </labeled-unicast>
              </inet>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Include labeled unicast NLRI.

**Contents**

- <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.
- <aggregate-label>—Aggregate labels of incoming routes with the same FEC.
- <explicit-null>—Advertise explicit null.
- <per-group-label>—Advertise prefixes with unique labels per group.
- <prefix-limit>—Limit maximum number of prefixes from a peer.
- <resolve-vpn>—Install received NLRI in inet.3 also.
- <rib>—Select table used by labeled unicast routes.
- <rib-group>—Routing table group.
- <traffic-statistics>—Collect statistics for BGP label-switched paths.

## **<labeled-unicast> (configuration/logical-systems/protocols/bgp/group/neighbor/family/inet6)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet6>
                <labeled-unicast>
                  <prefix-limit>...</prefix-limit>
                  <accepted-prefix-limit>...</accepted-prefix-limit>
                  <rib-group>...</rib-group>
                  <aggregate-label>...</aggregate-label>
                  <per-group-label/>
                  <traffic-statistics>...</traffic-statistics>
                  <explicit-null>explicit-null</explicit-null>    <!-- mandatory -->
                </labeled-unicast>
              </inet6>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Include labeled unicast NLRI.

**Contents**

- <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.
- <aggregate-label>—Aggregate labels of incoming routes with the same FEC.
- <explicit-null>—Advertise explicit null.
- <per-group-label>—Advertise prefixes with unique labels per group.
- <prefix-limit>—Limit maximum number of prefixes from a peer.
- <rib-group>—Routing table group.
- <traffic-statistics>—Collect statistics for BGP label-switched paths.

## **<labeled-unicast> (configuration/logical-systems/ routing-instances/instance/protocols/bgp/family/inet)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <protocols>  
                     <bgp>  
                         <family>  
                             <inet>  
                                 **<labeled-unicast>**  
                                     <prefix-limit>...</prefix-limit>  
                                     <accepted-prefix-limit>...</accepted-prefix-limit>  
                                     <rib-group>...</rib-group>  
                                     <aggregate-label>...</aggregate-label>  
                                     <per-group-label/>  
                                     <traffic-statistics>...</traffic-statistics>  
                                     <rib>...</rib>  
                                     <explicit-null>...</explicit-null>  
                                     <resolve-vpn/>  
                                 **</labeled-unicast>**  
                             </inet>  
                         </family>  
                     </bgp>  
                 </protocols>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** Include labeled unicast NLRI.

**Contents** <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.  
     <aggregate-label>—Aggregate labels of incoming routes with the same FEC.  
     <explicit-null>—Advertise explicit null.  
     <per-group-label>—Advertise prefixes with unique labels per group.  
     <prefix-limit>—Limit maximum number of prefixes from a peer.  
     <resolve-vpn>—Install received NLRI in inet.3 also.  
     <rib>—Select table used by labeled unicast routes.  
     <rib-group>—Routing table group.  
     <traffic-statistics>—Collect statistics for BGP label-switched paths.

## **<labeled-unicast> (configuration/logical-systems/ routing-instances/instance/protocols/bgp/family/inet6)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <family>
              <inet6>
                <labeled-unicast>
                  <prefix-limit>...</prefix-limit>
                  <accepted-prefix-limit>...</accepted-prefix-limit>
                  <rib-group>...</rib-group>
                  <aggregate-label>...</aggregate-label>
                  <per-group-label/>
                  <traffic-statistics>...</traffic-statistics>
                  <explicit-null>explicit-null</explicit-null>    <!-- mandatory -->
                </labeled-unicast>
              </inet6>
            </family>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Include labeled unicast NLRI.

**Contents**

- <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.
- <aggregate-label>—Aggregate labels of incoming routes with the same FEC.
- <explicit-null>—Advertise explicit null.
- <per-group-label>—Advertise prefixes with unique labels per group.
- <prefix-limit>—Limit maximum number of prefixes from a peer.
- <rib-group>—Routing table group.
- <traffic-statistics>—Collect statistics for BGP label-switched paths.

## **<labeled-unicast> (configuration/logical-systems/ routing-instances/instance/protocols/bgp/group/family/inet)**

---

**Usage** <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <family>  
           <inet>  
               **<labeled-unicast>**  
                   <prefix-limit>...</prefix-limit>  
                   <accepted-prefix-limit>...</accepted-prefix-limit>  
                   <rib-group>...</rib-group>  
                   <aggregate-label>...</aggregate-label>  
                   <per-group-label/>  
                   <traffic-statistics>...</traffic-statistics>  
                   <rib>...</rib>  
                   <explicit-null>...</explicit-null>  
                   <resolve-vpn/>  
                   **</labeled-unicast>**  
               </inet>  
               </family>  
               </group>  
               </bgp>  
               </protocols>  
               </instance>  
               </routing-instances>  
               </logical-systems>  
           </configuration>

**Description** Include labeled unicast NLRI.

**Contents** <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.

<aggregate-label>—Aggregate labels of incoming routes with the same FEC.

<explicit-null>—Advertise explicit null.

<per-group-label>—Advertise prefixes with unique labels per group.

<prefix-limit>—Limit maximum number of prefixes from a peer.

<resolve-vpn>—Install received NLRI in inet.3 also.

<rib>—Select table used by labeled unicast routes.

<rib-group>—Routing table group.

<traffic-statistics>—Collect statistics for BGP label-switched paths.

## **<labeled-unicast> (configuration/logical-systems/ routing-instances/instance/protocols/bgp/group/family/inet6)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <protocols>  
                     <bgp>  
                         <group>  
                             <family>  
                                 <inet6>  
                                     **<labeled-unicast>**  
   <prefix-limit>...</prefix-limit>  
   <accepted-prefix-limit>...</accepted-prefix-limit>  
   <rib-group>...</rib-group>  
   <aggregate-label>...</aggregate-label>  
   <per-group-label/>  
   <traffic-statistics>...</traffic-statistics>  
   <explicit-null>*explicit-null*</explicit-null>   <!-- mandatory -->  
                                     **</labeled-unicast>**  
                                 </inet6>  
                             </family>  
                         </group>  
                     </bgp>  
                 </protocols>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
 </configuration>

**Description** Include labeled unicast NLRI.

**Contents** <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.

<aggregate-label>—Aggregate labels of incoming routes with the same FEC.

<explicit-null>—Advertise explicit null.

<per-group-label>—Advertise prefixes with unique labels per group.

<prefix-limit>—Limit maximum number of prefixes from a peer.

<rib-group>—Routing table group.

<traffic-statistics>—Collect statistics for BGP label-switched paths.



## **<labeled-unicast> (configuration/logical-systems/ routing-instances/instance/protocols/bgp/group/neighbor/family/ inet)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <neighbor>
                <family>
                  <inet>
                    <labeled-unicast>
                      <prefix-limit>...</prefix-limit>
                      <accepted-prefix-limit>...</accepted-prefix-limit>
                      <rib-group>...</rib-group>
                      <aggregate-label>...</aggregate-label>
                      <per-group-label/>
                      <traffic-statistics>...</traffic-statistics>
                      <rib>...</rib>
                      <explicit-null>...</explicit-null>
                      <resolve-vpn/>
                    </labeled-unicast>
                  </inet>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Include labeled unicast NLRI.

**Contents**

- <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.
- <aggregate-label>—Aggregate labels of incoming routes with the same FEC.
- <explicit-null>—Advertise explicit null.
- <per-group-label>—Advertise prefixes with unique labels per group.
- <prefix-limit>—Limit maximum number of prefixes from a peer.
- <resolve-vpn>—Install received NLRI in inet.3 also.
- <rib>—Select table used by labeled unicast routes.
- <rib-group>—Routing table group.

<traffic-statistics>—Collect statistics for BGP label-switched paths.

## **<labeled-unicast> (configuration/logical-systems/ routing-instances/instance/protocols/bgp/group/neighbor/family/ inet6)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <neighbor>
                <family>
                  <inet6>
                    <labeled-unicast>
                      <prefix-limit>...</prefix-limit>
                      <accepted-prefix-limit>...</accepted-prefix-limit>
                      <rib-group>...</rib-group>
                      <aggregate-label>...</aggregate-label>
                      <per-group-label/>
                      <traffic-statistics>...</traffic-statistics>
                      <explicit-null>explicit-null</explicit-null>    <!-- mandatory -->
                    </labeled-unicast>
                  </inet6>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Include labeled unicast NLRI.

**Contents** <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.

<aggregate-label>—Aggregate labels of incoming routes with the same FEC.

<explicit-null>—Advertise explicit null.

<per-group-label>—Advertise prefixes with unique labels per group.

<prefix-limit>—Limit maximum number of prefixes from a peer.

<rib-group>—Routing table group.

<traffic-statistics>—Collect statistics for BGP label-switched paths.

**<labeled-unicast> (configuration/protocols/bgp/family/inet)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <family>  
                 <inet>  
                   **<labeled-unicast>**  
                     <prefix-limit>...</prefix-limit>  
                     <accepted-prefix-limit>...</accepted-prefix-limit>  
                     <rib-group>...</rib-group>  
                     <aggregate-label>...</aggregate-label>  
                     <per-group-label/>  
                     <traffic-statistics>...</traffic-statistics>  
                     <rib>...</rib>  
                     <explicit-null>...</explicit-null>  
                     <resolve-vpn/>  
                   **</labeled-unicast>**  
                 </inet>  
               </family>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Include labeled unicast NLRI.

**Contents** <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.

<aggregate-label>—Aggregate labels of incoming routes with the same FEC.

<explicit-null>—Advertise explicit null.

<per-group-label>—Advertise prefixes with unique labels per group.

<prefix-limit>—Limit maximum number of prefixes from a peer.

<resolve-vpn>—Install received NLRI in inet.3 also.

<rib>—Select table used by labeled unicast routes.

<rib-group>—Routing table group.

<traffic-statistics>—Collect statistics for BGP label-switched paths.

**<labeled-unicast> (configuration/protocols/bgp/family/inet6)**

---

**Usage**

```

<configuration>
  <protocols>
    <bgp>
      <family>
        <inet6>
          <labeled-unicast>
            <prefix-limit>...</prefix-limit>
            <accepted-prefix-limit>...</accepted-prefix-limit>
            <rib-group>...</rib-group>
            <aggregate-label>...</aggregate-label>
            <per-group-label/>
            <traffic-statistics>...</traffic-statistics>
            <explicit-null>explicit-null</explicit-null>    <!-- mandatory -->
          </labeled-unicast>
        </inet6>
      </family>
    </bgp>
  </protocols>
</configuration>

```

**Description** Include labeled unicast NLRI.

**Contents**

- <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.
- <aggregate-label>—Aggregate labels of incoming routes with the same FEC.
- <explicit-null>—Advertise explicit null.
- <per-group-label>—Advertise prefixes with unique labels per group.
- <prefix-limit>—Limit maximum number of prefixes from a peer.
- <rib-group>—Routing table group.
- <traffic-statistics>—Collect statistics for BGP label-switched paths.

**<labeled-unicast> (configuration/protocols/bgp/group/family/inet)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <group>  
                 <family>  
                   <inet>  
                     **<labeled-unicast>**  
                       <prefix-limit>...</prefix-limit>  
                       <accepted-prefix-limit>...</accepted-prefix-limit>  
                       <rib-group>...</rib-group>  
                       <aggregate-label>...</aggregate-label>  
                       <per-group-label/>  
                       <traffic-statistics>...</traffic-statistics>  
                       <rib>...</rib>  
                       <explicit-null>...</explicit-null>  
                       <resolve-vpn/>  
                     **</labeled-unicast>**  
                   </inet>  
                 </family>  
               </group>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Include labeled unicast NLRI.

**Contents** <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.

<aggregate-label>—Aggregate labels of incoming routes with the same FEC.

<explicit-null>—Advertise explicit null.

<per-group-label>—Advertise prefixes with unique labels per group.

<prefix-limit>—Limit maximum number of prefixes from a peer.

<resolve-vpn>—Install received NLRI in inet.3 also.

<rib>—Select table used by labeled unicast routes.

<rib-group>—Routing table group.

<traffic-statistics>—Collect statistics for BGP label-switched paths.

## **<labeled-unicast> (configuration/protocols/bgp/group/family/inet6)**

---

**Usage**

```

<configuration>
  <protocols>
    <bgp>
      <group>
        <family>
          <inet6>
            <labeled-unicast>
              <prefix-limit>...</prefix-limit>
              <accepted-prefix-limit>...</accepted-prefix-limit>
              <rib-group>...</rib-group>
              <aggregate-label>...</aggregate-label>
              <per-group-label/>
              <traffic-statistics>...</traffic-statistics>
              <explicit-null>explicit-null</explicit-null>    <!-- mandatory -->
            </labeled-unicast>
          </inet6>
        </family>
      </group>
    </bgp>
  </protocols>
</configuration>

```

**Description** Include labeled unicast NLRI.

**Contents** <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.

<aggregate-label>—Aggregate labels of incoming routes with the same FEC.

<explicit-null>—Advertise explicit null.

<per-group-label>—Advertise prefixes with unique labels per group.

<prefix-limit>—Limit maximum number of prefixes from a peer.

<rib-group>—Routing table group.

<traffic-statistics>—Collect statistics for BGP label-switched paths.

## **<labeled-unicast> (configuration/protocols/bgp/group/neighbor/family/inet)**

---

**Usage**

```

<configuration>
  <protocols>
    <bgp>
      <group>
        <neighbor>
          <family>
            <inet>
              <labeled-unicast>
                <prefix-limit>...</prefix-limit>
                <accepted-prefix-limit>...</accepted-prefix-limit>
                <rib-group>...</rib-group>
                <aggregate-label>...</aggregate-label>
                <per-group-label/>
                <traffic-statistics>...</traffic-statistics>
                <rib>...</rib>
                <explicit-null>...</explicit-null>
                <resolve-vpn/>
              </labeled-unicast>
            </inet>
          </family>
        </neighbor>
      </group>
    </bgp>
  </protocols>
</configuration>

```

**Description** Include labeled unicast NLRI.

**Contents**

- <accepted-prefix-limit>**—Limit maximum number of prefixes accepted from a peer.
- <aggregate-label>**—Aggregate labels of incoming routes with the same FEC.
- <explicit-null>**—Advertise explicit null.
- <per-group-label>**—Advertise prefixes with unique labels per group.
- <prefix-limit>**—Limit maximum number of prefixes from a peer.
- <resolve-vpn>**—Install received NLRI in inet.3 also.
- <rib>**—Select table used by labeled unicast routes.
- <rib-group>**—Routing table group.
- <traffic-statistics>**—Collect statistics for BGP label-switched paths.

## <labeled-unicast> (configuration/protocols/bgp/group/neighbor/family/inet6)

---

**Usage**

```

<configuration>
  <protocols>
    <bgp>
      <group>
        <neighbor>
          <family>
            <inet6>
              <labeled-unicast>
                <prefix-limit>...</prefix-limit>
                <accepted-prefix-limit>...</accepted-prefix-limit>
                <rib-group>...</rib-group>
                <aggregate-label>...</aggregate-label>
                <per-group-label/>
                <traffic-statistics>...</traffic-statistics>
                <explicit-null>explicit-null</explicit-null>    <!-- mandatory -->
              </labeled-unicast>
            </inet6>
          </family>
        </neighbor>
      </group>
    </bgp>
  </protocols>
</configuration>

```

**Description** Include labeled unicast NLRI.

**Contents**

- <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.
- <aggregate-label>—Aggregate labels of incoming routes with the same FEC.
- <explicit-null>—Advertise explicit null.
- <per-group-label>—Advertise prefixes with unique labels per group.
- <prefix-limit>—Limit maximum number of prefixes from a peer.
- <rib-group>—Routing table group.
- <traffic-statistics>—Collect statistics for BGP label-switched paths.



## **<labeled-unicast> (configuration/routing-instances/instance/protocols/bgp/family/inet)**

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <protocols>  
                 <bgp>  
                   <family>  
                     <inet>  
                       **<labeled-unicast>**  
                         <prefix-limit>...</prefix-limit>  
                         <accepted-prefix-limit>...</accepted-prefix-limit>  
                         <rib-group>...</rib-group>  
                         <aggregate-label>...</aggregate-label>  
                         <per-group-label/>  
                         <traffic-statistics>...</traffic-statistics>  
                         <rib>...</rib>  
                         <explicit-null>...</explicit-null>  
                         <resolve-vpn/>  
                       **</labeled-unicast>**  
                     </inet>  
                   </family>  
                 </bgp>  
               </protocols>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** Include labeled unicast NLRI.

**Contents** <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.

<aggregate-label>—Aggregate labels of incoming routes with the same FEC.

<explicit-null>—Advertise explicit null.

<per-group-label>—Advertise prefixes with unique labels per group.

<prefix-limit>—Limit maximum number of prefixes from a peer.

<resolve-vpn>—Install received NLRI in inet.3 also.

<rib>—Select table used by labeled unicast routes.

<rib-group>—Routing table group.

<traffic-statistics>—Collect statistics for BGP label-switched paths.

## **<labeled-unicast> (configuration/routing-instances/instance/protocols/bgp/family/inet6)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <family>
            <inet6>
              <labeled-unicast>
                <prefix-limit>...</prefix-limit>
                <accepted-prefix-limit>...</accepted-prefix-limit>
                <rib-group>...</rib-group>
                <aggregate-label>...</aggregate-label>
                <per-group-label/>
                <traffic-statistics>...</traffic-statistics>
                <explicit-null>explicit-null</explicit-null>    <!-- mandatory -->
              </labeled-unicast>
            </inet6>
          </family>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Include labeled unicast NLRI.

**Contents**

- <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.
- <aggregate-label>—Aggregate labels of incoming routes with the same FEC.
- <explicit-null>—Advertise explicit null.
- <per-group-label>—Advertise prefixes with unique labels per group.
- <prefix-limit>—Limit maximum number of prefixes from a peer.
- <rib-group>—Routing table group.
- <traffic-statistics>—Collect statistics for BGP label-switched paths.

## **<labeled-unicast> (configuration/routing-instances/instance/protocols/bgp/group/family/inet)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <protocols>  
                 <bgp>  
                     <group>  
                         <family>  
                             <inet>  
                                 **<labeled-unicast>**  
                                     <prefix-limit>...</prefix-limit>  
                                     <accepted-prefix-limit>...</accepted-prefix-limit>  
                                     <rib-group>...</rib-group>  
                                     <aggregate-label>...</aggregate-label>  
                                     <per-group-label/>  
                                     <traffic-statistics>...</traffic-statistics>  
                                     <rib>...</rib>  
                                     <explicit-null>...</explicit-null>  
                                     <resolve-vpn/>  
                                 **</labeled-unicast>**  
                             </inet>  
                         </family>  
                     </group>  
                 </bgp>  
             </protocols>  
         </instance>  
     </routing-instances>  
</configuration>

**Description** Include labeled unicast NLRI.

**Contents** <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.  
     <aggregate-label>—Aggregate labels of incoming routes with the same FEC.  
     <explicit-null>—Advertise explicit null.  
     <per-group-label>—Advertise prefixes with unique labels per group.  
     <prefix-limit>—Limit maximum number of prefixes from a peer.  
     <resolve-vpn>—Install received NLRI in inet.3 also.  
     <rib>—Select table used by labeled unicast routes.  
     <rib-group>—Routing table group.  
     <traffic-statistics>—Collect statistics for BGP label-switched paths.

## **<labeled-unicast> (configuration/routing-instances/instance/protocols/bgp/group/family/inet6)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <inet6>
                <labeled-unicast>
                  <prefix-limit>...</prefix-limit>
                  <accepted-prefix-limit>...</accepted-prefix-limit>
                  <rib-group>...</rib-group>
                  <aggregate-label>...</aggregate-label>
                  <per-group-label/>
                  <traffic-statistics>...</traffic-statistics>
                  <explicit-null>explicit-null</explicit-null>    <!-- mandatory -->
                </labeled-unicast>
              </inet6>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Include labeled unicast NLRI.

**Contents**

- <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.
- <aggregate-label>—Aggregate labels of incoming routes with the same FEC.
- <explicit-null>—Advertise explicit null.
- <per-group-label>—Advertise prefixes with unique labels per group.
- <prefix-limit>—Limit maximum number of prefixes from a peer.
- <rib-group>—Routing table group.
- <traffic-statistics>—Collect statistics for BGP label-switched paths.

## **<labeled-unicast> (configuration/routing-instances/instance/protocols/bgp/group/neighbor/family/inet)**

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <protocols>  
                 <bgp>  
                   <group>  
                     <neighbor>  
                       <family>  
                         <inet>  
                           **<labeled-unicast>**  
                             <prefix-limit>...</prefix-limit>  
                             <accepted-prefix-limit>...</accepted-prefix-limit>  
                             <rib-group>...</rib-group>  
                             <aggregate-label>...</aggregate-label>  
                             <per-group-label/>  
                             <traffic-statistics>...</traffic-statistics>  
                             <rib>...</rib>  
                             <explicit-null>...</explicit-null>  
                             <resolve-vpn/>  
                           **</labeled-unicast>**  
                         </inet>  
                       </family>  
                     </neighbor>  
                   </group>  
                 </bgp>  
               </protocols>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** Include labeled unicast NLRI.

**Contents** <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.

<aggregate-label>—Aggregate labels of incoming routes with the same FEC.

<explicit-null>—Advertise explicit null.

<per-group-label>—Advertise prefixes with unique labels per group.

<prefix-limit>—Limit maximum number of prefixes from a peer.

<resolve-vpn>—Install received NLRI in inet.3 also.

<rib>—Select table used by labeled unicast routes.

<rib-group>—Routing table group.

<traffic-statistics>—Collect statistics for BGP label-switched paths.

## **<labeled-unicast> (configuration/routing-instances/instance/protocols/bgp/group/neighbor/family/inet6)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <neighbor>
              <family>
                <inet6>
                  <labeled-unicast>
                    <prefix-limit>...</prefix-limit>
                    <accepted-prefix-limit>...</accepted-prefix-limit>
                    <rib-group>...</rib-group>
                    <aggregate-label>...</aggregate-label>
                    <per-group-label/>
                    <traffic-statistics>...</traffic-statistics>
                    <explicit-null>explicit-null</explicit-null>    <!-- mandatory -->
                  </labeled-unicast>
                </inet6>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Include labeled unicast NLRI.

**Contents**

- <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.
- <aggregate-label>—Aggregate labels of incoming routes with the same FEC.
- <explicit-null>—Advertise explicit null.
- <per-group-label>—Advertise prefixes with unique labels per group.
- <prefix-limit>—Limit maximum number of prefixes from a peer.
- <rib-group>—Routing table group.
- <traffic-statistics>—Collect statistics for BGP label-switched paths.

**<lacp> (configuration/chassis/aggregated-devices/ethernet)**

---

**Usage**   <configuration>  
               <chassis>  
                   <aggregated-devices>  
                     <ethernet>  
                       **<lacp>**  
                         <system-priority>*system-priority*</system-priority>  
                         <link-protection>...</link-protection>  
                       **</lacp>**  
                     </ethernet>  
                   </aggregated-devices>  
               </chassis>  
     </configuration>

**Description**   Global Link Aggregation Control Protocol configuration.

**Contents**   <link-protection>—No documentation is available yet.  
               <system-priority>—Priority of the system.

## **<lacp> (configuration/dynamic-profiles/interfaces/interface/aggregated-ether-options)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <aggregated-ether-options>  
           **<lacp>**  
           <active/>  
           <passive/>  
           <periodic>*periodic-choice*</periodic>  
           <link-protection>...</link-protection>  
           <system-priority>*system-priority*</system-priority>  
           **</lacp>**  
           </aggregated-ether-options>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description** Link Aggregation Control Protocol configuration.

**Contents** <active>—Initiate transmission of LACP packets.

<link-protection>—No documentation is available yet.

<passive>—Respond to LACP packets.

<periodic>—Timer interval for periodic transmission of LACP packets.

■ fast—Transmit packets every second.

■ slow—Transmit packets every 30 seconds.

<system-priority>—Priority of the system.



## **<lacp> (configuration/dynamic-profiles/interfaces/interface/fastether-options/ieee-802.3ad)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <fastether-options>  
           <ieee-802.3ad>  
           **<lacp>**  
           <port-priority>*port-priority*</port-priority>  
           **</lacp>**  
           </ieee-802.3ad>  
           </fastether-options>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
           </configuration>

**Description** Link Aggregation Control Protocol configuration.

**Contents** <port-priority>—Priority of the port (0 ... 65535).

## **<lacp> (configuration/dynamic-profiles/interfaces/interface/gigether-options/ieee-802.3ad)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <gigether-options>  
           <ieee-802.3ad>  
           **<lacp>**  
           <port-priority>*port-priority*</port-priority>  
           **</lacp>**  
           </ieee-802.3ad>  
           </gigether-options>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
           </configuration>

**Description** Link Aggregation Control Protocol configuration.

**Contents** <port-priority>—Priority of the port (0 ... 65535).

## <lacp> (configuration/interfaces/interface/aggregated-ether-options)

---

**Usage**   <configuration>  
               <interfaces>  
               <interface>  
               <aggregated-ether-options>  
               <lacp>  
               <active/>  
               <passive/>  
               <periodic>*periodic-choice*</periodic>  
               <link-protection>...</link-protection>  
               <system-priority>*system-priority*</system-priority>  
               </lacp>  
               </aggregated-ether-options>  
               </interface>  
               </interfaces>  
               </configuration>

**Description**   Link Aggregation Control Protocol configuration.

**Contents**   <active>—Initiate transmission of LACP packets.

              <link-protection>—No documentation is available yet.

              <passive>—Respond to LACP packets.

              <periodic>—Timer interval for periodic transmission of LACP packets.

- fast—Transmit packets every second.
- slow—Transmit packets every 30 seconds.

              <system-priority>—Priority of the system.

## **<lacp> (configuration/interfaces/interface/fastether-options/ieee-802.3ad)**

---

**Usage**   <configuration>  
           <interfaces>  
           <interface>  
           <fastether-options>  
           <ieee-802.3ad>  
           **<lacp>**  
           <port-priority>*port-priority*</port-priority>  
           **</lacp>**  
           </ieee-802.3ad>  
           </fastether-options>  
           </interface>  
           </interfaces>  
           </configuration>

**Description**   Link Aggregation Control Protocol configuration.

**Contents**    <port-priority>—Priority of the port (0 ... 65535).

## **<lacp> (configuration/interfaces/interface/gigether-options/ieee-802.3ad)**

---

**Usage**   <configuration>  
           <interfaces>  
           <interface>  
           <gigether-options>  
           <ieee-802.3ad>  
           **<lacp>**  
           <port-priority>*port-priority*</port-priority>  
           **</lacp>**  
           </ieee-802.3ad>  
           </gigether-options>  
           </interface>  
           </interfaces>  
           </configuration>

**Description**   Link Aggregation Control Protocol configuration.

**Contents**    <port-priority>—Priority of the port (0 ... 65535).

**<lacp> (configuration/logical-systems/protocols)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;protocols&gt;       &lt;lacp&gt;         &lt;traceoptions&gt;...&lt;/traceoptions&gt;         &lt;ppm&gt;ppm-choice&lt;/ppm&gt;       &lt;/lacp&gt;     &lt;/protocols&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Link Aggregation Control Protocol configuration.
<b>Contents</b>	<p>&lt;ppm&gt;—Force PPM processing.</p> <ul style="list-style-type: none"> <li>■ centralized—Centralized PPM processing.</li> </ul> <p>&lt;traceoptions&gt;—LACP trace options.</p>

**<lacp> (configuration/protocols)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;lacp&gt;       &lt;traceoptions&gt;...&lt;/traceoptions&gt;       &lt;ppm&gt;ppm-choice&lt;/ppm&gt;     &lt;/lacp&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Link Aggregation Control Protocol configuration.
<b>Contents</b>	<p>&lt;ppm&gt;—Force PPM processing.</p> <ul style="list-style-type: none"> <li>■ centralized—Centralized PPM processing.</li> </ul> <p>&lt;traceoptions&gt;—LACP trace options.</p>

## **<larscom> (configuration/dynamic-profiles/interfaces/interface/t3-options/compatibility-mode)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <t3-options>  
           <compatibility-mode>  
           **<larscom>**  
           <subrate>*subrate*</subrate>  
           **</larscom>**  
           </compatibility-mode>  
           </t3-options>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description** Compatible with Larscom CSU.

**Contents** <subrate>—Set subrate value.

## **<larscom> (configuration/interfaces/interface/t3-options/compatibility-mode)**

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
           <t3-options>  
           <compatibility-mode>  
           **<larscom>**  
           <subrate>*subrate*</subrate>  
           **</larscom>**  
           </compatibility-mode>  
           </t3-options>  
           </interface>  
           </interfaces>  
         </configuration>

**Description** Compatible with Larscom CSU.

**Contents** <subrate>—Set subrate value.

## **<last-as> (configuration/logical-systems/policy-options/policy-statement/from/prefix-list-filter/as-path-expand)**

---

**Usage** <configuration>  
     <logical-systems>  
         <policy-options>  
             <policy-statement>  
                 <from>  
                     <prefix-list-filter>  
                         <as-path-expand>  
                             **<last-as>**  
                                 <count>*count*</count>  
                             **</last-as>**  
                         </as-path-expand>  
                     </prefix-list-filter>  
                 </from>  
             </policy-statement>  
         </policy-options>  
     </logical-systems>  
 </configuration>

**Description** Prepend last AS.

**Contents** <count>—Repeat count.

## **<last-as> (configuration/logical-systems/policy-options/policy-statement/from/route-filter/as-path-expand)**

---

**Usage** <configuration>  
     <logical-systems>  
         <policy-options>  
             <policy-statement>  
                 <from>  
                     <route-filter>  
                         <as-path-expand>  
                             **<last-as>**  
                                 <count>*count*</count>  
                             **</last-as>**  
                         </as-path-expand>  
                     </route-filter>  
                 </from>  
             </policy-statement>  
         </policy-options>  
     </logical-systems>  
 </configuration>

**Description** Prepend last AS.

**Contents** <count>—Repeat count.

## **<last-as> (configuration/logical-systems/policy-options/ policy-statement/from/source-address-filter/as-path-expand)**

---

**Usage** <configuration>  
     <logical-systems>  
         <policy-options>  
             <policy-statement>  
                 <from>  
                     <source-address-filter>  
                         <as-path-expand>  
                             **<last-as>**  
                                 <count>*count*</count>  
                             **</last-as>**  
                         </as-path-expand>  
                     </source-address-filter>  
                 </from>  
             </policy-statement>  
         </policy-options>  
     </logical-systems>  
 </configuration>

**Description** Prepend last AS.

**Contents** <count>—Repeat count.

## **<last-as> (configuration/logical-systems/policy-options/ policy-statement/term/from/prefix-list-filter/as-path-expand)**

---

**Usage** <configuration>  
     <logical-systems>  
         <policy-options>  
             <policy-statement>  
                 <term>  
                     <from>  
                         <prefix-list-filter>  
                             <as-path-expand>  
                                 **<last-as>**  
                                     <count>*count*</count>  
                                 **</last-as>**  
                             </as-path-expand>  
                         </prefix-list-filter>  
                     </from>  
                 </term>  
             </policy-statement>  
         </policy-options>  
     </logical-systems>  
 </configuration>

**Description** Prepend last AS.

**Contents** <count>—Repeat count.

## **<last-as> (configuration/logical-systems/policy-options/policy-statement/term/from/route-filter/as-path-expand)**

---

**Usage** <configuration>  
 <logical-systems>  
 <policy-options>  
 <policy-statement>  
 <term>  
 <from>  
 <route-filter>  
 <as-path-expand>  
**<last-as>**  
 <count>*count*</count>  
**</last-as>**  
 </as-path-expand>  
 </route-filter>  
 </from>  
 </term>  
 </policy-statement>  
 </policy-options>  
 </logical-systems>  
 </configuration>

**Description** Prepend last AS.

**Contents** <count>—Repeat count.

## **<last-as> (configuration/logical-systems/policy-options/policy-statement/term/from/source-address-filter/as-path-expand)**

---

**Usage** <configuration>  
 <logical-systems>  
 <policy-options>  
 <policy-statement>  
 <term>  
 <from>  
 <source-address-filter>  
 <as-path-expand>  
**<last-as>**  
 <count>*count*</count>  
**</last-as>**  
 </as-path-expand>  
 </source-address-filter>  
 </from>  
 </term>  
 </policy-statement>  
 </policy-options>  
 </logical-systems>  
 </configuration>

**Description** Prepend last AS.

**Contents** <count>—Repeat count.



## **<last-as> (configuration/logical-systems/policy-options/ policy-statement/term/then/as-path-expand)**

---

**Usage** <configuration>  
           <logical-systems>  
             <policy-options>  
               <policy-statement>  
                 <term>  
                   <then>  
                     <as-path-expand>  
                       **<last-as>**  
                         <count>*count*</count>  
                       **</last-as>**  
                     </as-path-expand>  
                   </then>  
                 </term>  
               </policy-statement>  
             </policy-options>  
           </logical-systems>  
         </configuration>

**Description** Prepend last AS.

**Contents** <count>—Repeat count.

## **<last-as> (configuration/logical-systems/policy-options/ policy-statement/then/as-path-expand)**

---

**Usage** <configuration>  
           <logical-systems>  
             <policy-options>  
               <policy-statement>  
                 <then>  
                   <as-path-expand>  
                     **<last-as>**  
                       <count>*count*</count>  
                     **</last-as>**  
                   </as-path-expand>  
                 </then>  
               </policy-statement>  
             </policy-options>  
           </logical-systems>  
         </configuration>

**Description** Prepend last AS.

**Contents** <count>—Repeat count.

## **<last-as> (configuration/policy-options/policy-statement/from/prefix-list-filter/as-path-expand)**

---

**Usage**   <configuration>  
           <policy-options>  
           <policy-statement>  
           <from>  
           <prefix-list-filter>  
           <as-path-expand>  
           **<last-as>**  
           <count>*count*</count>  
           **</last-as>**  
           </as-path-expand>  
           </prefix-list-filter>  
           </from>  
           </policy-statement>  
           </policy-options>  
         </configuration>

**Description**   Prepend last AS.

**Contents**    <count>—Repeat count.

## **<last-as> (configuration/policy-options/policy-statement/from/route-filter/as-path-expand)**

---

**Usage**   <configuration>  
           <policy-options>  
           <policy-statement>  
           <from>  
           <route-filter>  
           <as-path-expand>  
           **<last-as>**  
           <count>*count*</count>  
           **</last-as>**  
           </as-path-expand>  
           </route-filter>  
           </from>  
           </policy-statement>  
           </policy-options>  
         </configuration>

**Description**   Prepend last AS.

**Contents**    <count>—Repeat count.

### **<last-as> (configuration/policy-options/policy-statement/from/source-address-filter/as-path-expand)**

---

**Usage** <configuration>  
           <policy-options>  
             <policy-statement>  
               <from>  
                 <source-address-filter>  
                   <as-path-expand>  
                     **<last-as>**  
                       <count>*count*</count>  
                     **</last-as>**  
                   </as-path-expand>  
                 </source-address-filter>  
               </from>  
             </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Prepend last AS.

**Contents** <count>—Repeat count.

### **<last-as> (configuration/policy-options/policy-statement/term/from/prefix-list-filter/as-path-expand)**

---

**Usage** <configuration>  
           <policy-options>  
             <policy-statement>  
               <term>  
                 <from>  
                   <prefix-list-filter>  
                     <as-path-expand>  
                       **<last-as>**  
                       <count>*count*</count>  
                       **</last-as>**  
                     </as-path-expand>  
                   </prefix-list-filter>  
                 </from>  
               </term>  
             </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Prepend last AS.

**Contents** <count>—Repeat count.

## **<last-as> (configuration/policy-options/policy-statement/term/ from/route-filter/as-path-expand)**

---

**Usage** <configuration>  
 <policy-options>  
 <policy-statement>  
 <term>  
 <from>  
 <route-filter>  
 <as-path-expand>  
**<last-as>**  
 <count>count</count>  
**</last-as>**  
 </as-path-expand>  
 </route-filter>  
 </from>  
 </term>  
 </policy-statement>  
 </policy-options>  
 </configuration>

**Description** Prepend last AS.

**Contents** <count>—Repeat count.

## **<last-as> (configuration/policy-options/policy-statement/term/ from/source-address-filter/as-path-expand)**

---

**Usage** <configuration>  
 <policy-options>  
 <policy-statement>  
 <term>  
 <from>  
 <source-address-filter>  
 <as-path-expand>  
**<last-as>**  
 <count>count</count>  
**</last-as>**  
 </as-path-expand>  
 </source-address-filter>  
 </from>  
 </term>  
 </policy-statement>  
 </policy-options>  
 </configuration>

**Description** Prepend last AS.

**Contents** <count>—Repeat count.

## **<last-as> (configuration/policy-options/policy-statement/term/then/as-path-expand)**

---

**Usage** <configuration>  
           <policy-options>  
             <policy-statement>  
               <term>  
                 <then>  
                   <as-path-expand>  
                     **<last-as>**  
                       <count>*count*</count>  
                     **</last-as>**  
                   </as-path-expand>  
                 </then>  
               </term>  
             </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Prepend last AS.

**Contents** <count>—Repeat count.

## **<last-as> (configuration/policy-options/policy-statement/then/as-path-expand)**

---

**Usage** <configuration>  
           <policy-options>  
             <policy-statement>  
               <then>  
                 <as-path-expand>  
                   **<last-as>**  
                     <count>*count*</count>  
                   **</last-as>**  
                 </as-path-expand>  
               </then>  
             </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Prepend last AS.

**Contents** <count>—Repeat count.

**<layer-3> (configuration/forwarding-options/hash-key/family/inet)**

---

**Usage** <configuration>  
           <forwarding-options>  
             <hash-key>  
               <family>  
                 <inet>  
                   **<layer-3>**  
                     <destination-address/>  
                   **</layer-3>**  
                 </inet>  
               </family>  
             </hash-key>  
           </forwarding-options>  
         </configuration>

**Description** Include Layer 3 (IP) data in the hash key.

**Contents** <destination-address>—Include IP destination address in the hash key.

**<layer-3> (configuration/logical-systems/routing-instances/instance/forwarding-options/hash-key/family/inet)**

---

**Usage** <configuration>  
           <logical-systems>  
             <routing-instances>  
               <instance>  
                 <forwarding-options>  
                   <hash-key>  
                     <family>  
                       <inet>  
                         **<layer-3>**  
                           <destination-address/>  
                         **</layer-3>**  
                       </inet>  
                     </family>  
                   </hash-key>  
                 </forwarding-options>  
               </instance>  
             </routing-instances>  
           </logical-systems>  
         </configuration>

**Description** Include Layer 3 (IP) data in the hash key.

**Contents** <destination-address>—Include IP destination address in the hash key.

## **<layer-3> (configuration/routing-instances/instance/forwarding-options/hash-key/family/inet)**

---

**Usage** <configuration>  
           <routing-instances>  
           <instance>  
           <forwarding-options>  
           <hash-key>  
           <family>  
           <inet>  
           **<layer-3>**  
           <destination-address/>  
           **</layer-3>**  
           </inet>  
           </family>  
           </hash-key>  
           </forwarding-options>  
           </instance>  
           </routing-instances>  
         </configuration>

**Description** Include Layer 3 (IP) data in the hash key.

**Contents** <destination-address>—Include IP destination address in the hash key.

## **<layer2-control> (configuration/logical-systems/protocols)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           **<layer2-control>**  
           <traceoptions>...</traceoptions>  
           <rstp-vs-interconnect/>  
           <nonstop-bridging/>  
           <bpdu-block>...</bpdu-block>  
           <mac-rewrite>...</mac-rewrite>  
           **</layer2-control>**  
           </protocols>  
           </logical-systems>  
         </configuration>

**Description** Global options for layer 2 protocols.

**Contents** <bpdu-block>—Block BPDU on interface (BPDU Protect).

<mac-rewrite>—Mac rewrite functionality.

<nonstop-bridging>—Enable nonstop operation.

<rstp-vs-interconnect>—Enable interconnecting RSTP virtual switches.

<traceoptions>—Global tracing options for STP.

## <layer2-control> (configuration/protocols)

---

**Usage**   <configuration>  
          <protocols>  
            <layer2-control>  
              <traceoptions>...</traceoptions>  
              <rstp-vs-interconnect/>  
              <nonstop-bridging/>  
              <bpdu-block>...</bpdu-block>  
              <mac-rewrite>...</mac-rewrite>  
            </layer2-control>  
          </protocols>  
        </configuration>

**Description**   Global options for layer 2 protocols.

**Contents**   <bpdu-block>—Block BPDU on interface (BPDU Protect).  
  
              <mac-rewrite>—Mac rewrite functionality.  
  
              <nonstop-bridging>—Enable nonstop operation.  
  
              <rstp-vs-interconnect>—Enable interconnecting RSTP virtual switches.  
  
              <traceoptions>—Global tracing options for STP.



## **<layer2-policer> (configuration/dynamic-profiles/interfaces/ interface/unit)**

---

**Usage**   <configuration>  
               <dynamic-profiles>  
               <interfaces>  
               <interface>  
               <unit>  
               **<layer2-policer>**  
                   <input-policer>*input-policer*</input-policer>  
                   <input-three-color>*input-three-color*</input-three-color>  
                   <output-policer>*output-policer*</output-policer>  
                   <output-three-color>*output-three-color*</output-three-color>  
               **</layer2-policer>**  
               </unit>  
               </interface>  
               </interfaces>  
               </dynamic-profiles>  
               </configuration>

**Description**   Quality-of-service configuration.

**Contents**   <input-policer>—Two-color policer for received packets.  
               <input-three-color>—Color-blind three-color policer for received packets.  
               <output-policer>—Two-color policer for transmitted packets.  
               <output-three-color>—Three-color policer for transmitted packets.

**<layer2-policer> (configuration/interfaces/interface/unit)**

---

**Usage**   <configuration>  
          <interfaces>  
          <interface>  
          <unit>  
          **<layer2-policer>**  
          <input-policer>*input-policer*</input-policer>  
          <input-three-color>*input-three-color*</input-three-color>  
          <output-policer>*output-policer*</output-policer>  
          <output-three-color>*output-three-color*</output-three-color>  
          **</layer2-policer>**  
          </unit>  
          </interface>  
          </interfaces>  
          </configuration>

**Description**   Quality-of-service configuration.

**Contents**   <input-policer>—Two-color policer for received packets.  
  
              <input-three-color>—Color-blind three-color policer for received packets.  
  
              <output-policer>—Two-color policer for transmitted packets.  
  
              <output-three-color>—Three-color policer for transmitted packets.

## **<layer2-policer> (configuration/logical-systems/interfaces/interface/unit)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;interfaces&gt;       &lt;interface&gt;         &lt;unit&gt;           &lt;layer2-policer&gt;             &lt;input-policer&gt;input-policer&lt;/input-policer&gt;             &lt;input-three-color&gt;input-three-color&lt;/input-three-color&gt;             &lt;output-policer&gt;output-policer&lt;/output-policer&gt;             &lt;output-three-color&gt;output-three-color&lt;/output-three-color&gt;           &lt;/layer2-policer&gt;         &lt;/unit&gt;       &lt;/interface&gt;     &lt;/interfaces&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Quality-of-service configuration.
<b>Contents</b>	<p>&lt;input-policer&gt;—Two-color policer for received packets.</p> <p>&lt;input-three-color&gt;—Color-blind three-color policer for received packets.</p> <p>&lt;output-policer&gt;—Two-color policer for transmitted packets.</p> <p>&lt;output-three-color&gt;—Three-color policer for transmitted packets.</p>

## **<lcc> (configuration/chassis)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;chassis&gt;     &lt;lcc&gt;       &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;       &lt;fpc&gt;...&lt;/fpc&gt;       &lt;online-expected/&gt;       &lt;offline/&gt;     &lt;/lcc&gt;   &lt;/chassis&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Line-card chassis configuration.
<b>Contents</b>	<p>&lt;fpc&gt;—Flexible PIC Concentrator parameters.</p> <p>&lt;name&gt;—LCC number.</p> <p>&lt;offline&gt;—LCC is expected to be offline.</p> <p>&lt;online-expected&gt;—LCC is expected to be online.</p>

## **<lcc> (configuration/system/location)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;system&gt;     &lt;location&gt;       &lt;lcc&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;floor&gt;floor&lt;/floor&gt;         &lt;rack&gt;rack&lt;/rack&gt;       &lt;/lcc&gt;     &lt;/location&gt;   &lt;/system&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Line-card chassis location.
<b>Contents</b>	<p>&lt;floor&gt;—Floor of the building.</p> <p>&lt;name&gt;—LCC number.</p> <p>&lt;rack&gt;—Rack number.</p>

## **<lcd> (configuration/chassis)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;chassis&gt;     &lt;lcd&gt;       &lt;fpc&gt;...&lt;/fpc&gt;     &lt;/lcd&gt;   &lt;/chassis&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Chassis LCD.
<b>Contents</b>	<fpc>—No documentation is available yet.

## **<lcdp> (configuration/dynamic-profiles/interfaces/interface/sonet-options/trigger)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <sonet-options>  
           <trigger>  
           **<lcdp>**  
           <ignore/>  
           <hold-time>...</hold-time>  
           **</lcdp>**  
           </trigger>  
           </sonet-options>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description** LCD-P defect trigger (Ethernet WAN only).

**Contents** <hold-time>—Delay before marking interface up or down for defect.  
               <ignore>—Ignore the defect.

## **<lcdp> (configuration/interfaces/interface/sonet-options/trigger)**

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
           <sonet-options>  
           <trigger>  
           **<lcdp>**  
           <ignore/>  
           <hold-time>...</hold-time>  
           **</lcdp>**  
           </trigger>  
           </sonet-options>  
           </interface>  
           </interfaces>  
         </configuration>

**Description** LCD-P defect trigger (Ethernet WAN only).

**Contents** <hold-time>—Delay before marking interface up or down for defect.  
               <ignore>—Ignore the defect.

**<ldap-options> (configuration/access)**

---

**Usage** <configuration>  
 <access>  
 <ldap-options>  
 <revert-interval>seconds</revert-interval>  
 <base-distinguished-name>base-distinguished-name  
 </base-distinguished-name> <!-- mandatory -->  
 <assemble>...</assemble>  
 <search>...</search>  
 </ldap-options>  
 </access>  
 </configuration>

**Description** Lightweight Directory Access Protocol options.

**Contents** <assemble>—Derive user distinguished name from 'common-name' and 'base-distinguished-name'.

<base-distinguished-name>—Suffix when assembling user distinguished name (DN) or base DN under which to search for user DN.

<revert-interval>—Time after which to revert to primary server.

<search>—Search for user's distinguished name.

**<ldap-options> (configuration/access/profile)**

---

**Usage** <configuration>  
 <access>  
 <profile>  
 <ldap-options>  
 <revert-interval>seconds</revert-interval>  
 <base-distinguished-name>base-distinguished-name  
 </base-distinguished-name> <!-- mandatory -->  
 <assemble>...</assemble>  
 <search>...</search>  
 </ldap-options>  
 </profile>  
 </access>  
 </configuration>

**Description** Lightweight Directory Access Protocol options.

**Contents** <assemble>—Derive user distinguished name from 'common-name' and 'base-distinguished-name'.

<base-distinguished-name>—Suffix when assembling user distinguished name (DN) or base DN under which to search for user DN.

<revert-interval>—Time after which to revert to primary server.

<search>—Search for user's distinguished name.

**<ldap-server> (configuration/access)**

---

**Usage**   <configuration>  
           <access>  
             **<ldap-server>**  
               <name>*name*</name>   <!-- identifier -->  
               <port>*port*</port>  
               <source-address>*source-address*</source-address>  
               <routing-instance>*routing-instance*</routing-instance>  
               <retry>*retry*</retry>  
               <timeout>*seconds*</timeout>  
             **</ldap-server>**  
           </access>  
         </configuration>

**Description**   Lightweight Directory Access Protocol server options.

**Contents**   <name>—Hostname or IPv4 address of LDAP server.  
               <port>—LDAP server port number.  
               <retry>—Number of times to resend requests.  
               <routing-instance>—Use specified routing instance.  
               <source-address>—Use specified address as source address.  
               <timeout>—Delay before resending unacknowledged request.

**<ldap-server> (configuration/access/profile)**

---

**Usage** <configuration>  
           <access>  
             <profile>  
               **<ldap-server>**  
                 <name>*name*</name>   <!-- identifier -->  
                 <port>*port*</port>  
                 <source-address>*source-address*</source-address>  
                 <routing-instance>*routing-instance*</routing-instance>  
                 <retry>*retry*</retry>  
                 <timeout>*seconds*</timeout>  
               **</ldap-server>**  
             </profile>  
           </access>  
         </configuration>

**Description** Lightweight Directory Access Protocol server.

**Contents** <name>—Hostname or IPv4 address of LDAP server.  
               <port>—LDAP server port number.  
               <retry>—Number of times to resend requests.  
               <routing-instance>—Use specified routing instance.  
               <source-address>—Use specified address as source address.  
               <timeout>—Delay before resending unacknowledged request.



**<ldp> (configuration/logical-systems/protocols)**

**Usage** <configuration>  
 <logical-systems>  
 <protocols>  
**<ldp>**  
 <traceoptions>...</traceoptions>  
 <traffic-statistics>...</traffic-statistics>  
 <graceful-restart>...</graceful-restart>  
 <preference>*preference*</preference>  
 <no-forwarding/>  
 <l2-smart-policy/>  
 <track-igp-metric/>  
 <strict-targeted-hellos/>  
 <import>...</import>  
 <export>...</export>  
 <egress-policy>...</egress-policy>  
 <next-hop>...</next-hop>  
 <deaggregate/>  
 <explicit-null/>  
 <label-withdrawal-delay>*seconds*</label-withdrawal-delay>  
 <transport-address>...</transport-address>  
 <keepalive-interval>*keepalive-interval*</keepalive-interval>  
 <keepalive-timeout>*keepalive-timeout*</keepalive-timeout>  
 <interface>...</interface>  
 <session>...</session>  
 <session-protection>...</session-protection>  
 <log-updown>...</log-updown>  
 <policing>...</policing>  
 <oam>...</oam>  
 <targeted-hello>...</targeted-hello>  
**</ldp>**  
 </protocols>  
 </logical-systems>  
 </configuration>

**Description** LDP options.

**Contents** <deaggregate>—Deaggregate FECs into separate labels.  
 <egress-policy>—Configure LSP egress policy.  
 <explicit-null>—Advertise the EXPLICIT\_NULL label for egress FECs.  
 <export>—Export policy.  
 <graceful-restart>—Configure graceful restart attributes.  
 <import>—Import policy.  
 <interface>—Enable LDP on this interface.  
 <keepalive-interval>—Keepalive interval (seconds).  
 <keepalive-timeout>—Keepalive timeout (seconds).

<l2-smart-policy>—Do not export or import Layer 3 FECs for Layer 2 sessions.

<label-withdrawal-delay>—Delay label withdrawal for FECs to avoid label churn.

<log-updown>—Logging actions for LSP up/down events.

<next-hop>—LDP next-hop control.

<no-forwarding>—Do not use LDP ingress routes for forwarding.

<oam>—Configure periodic OAM for a LDP FEC.

<policing>—Configure policing for an LDP FEC.

<preference>—Route preference.

<session>—Configure session parameters.

<session-protection>—Configure session protection.

<strict-targeted-hellos>—Do not send targeted hellos to unconfigured neighbors.

<targeted-hello>—Configure targeted hello parameters.

<traceoptions>—Trace options for LDP.

<track-igp-metric>—Track the IGP metric.

<traffic-statistics>—Collect statistics for LDP label-switched paths.

<transport-address>—Address used for TCP sessions.

## <ldp> (configuration/logical-systems/routing-instances/instance/protocols)

---

**Usage** <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           **<ldp>**  
             <traceoptions>...</traceoptions>  
             <traffic-statistics>...</traffic-statistics>  
             <graceful-restart>...</graceful-restart>  
             <preference>*preference*</preference>  
             <no-forwarding/>  
             <l2-smart-policy/>  
             <track-igp-metric/>  
             <strict-targeted-hellos/>  
             <import>...</import>  
             <export>...</export>  
             <egress-policy>...</egress-policy>  
             <next-hop>...</next-hop>  
             <deaggregate/>  
             <explicit-null/>  
             <label-withdrawal-delay>*seconds*</label-withdrawal-delay>  
             <transport-address>...</transport-address>  
             <keepalive-interval>*keepalive-interval*</keepalive-interval>  
             <keepalive-timeout>*keepalive-timeout*</keepalive-timeout>  
             <interface>...</interface>  
             <session>...</session>  
             <session-protection>...</session-protection>  
             <log-updown>...</log-updown>  
             <policing>...</policing>  
             <oam>...</oam>  
             <targeted-hello>...</targeted-hello>  
           **</ldp>**  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
         </configuration>

**Description** LDP configuration.

**Contents** <deaggregate>—Deaggregate FECs into separate labels.  
           <egress-policy>—Configure LSP egress policy.  
           <explicit-null>—Advertise the EXPLICIT\_NULL label for egress FECs.  
           <export>—Export policy.  
           <graceful-restart>—Configure graceful restart attributes.  
           <import>—Import policy.

<interface>—Enable LDP on this interface.

<keepalive-interval>—Keepalive interval (seconds).

<keepalive-timeout>—Keepalive timeout (seconds).

<l2-smart-policy>—Do not export or import Layer 3 FECs for Layer 2 sessions.

<label-withdrawal-delay>—Delay label withdrawal for FECs to avoid label churn.

<log-updown>—Logging actions for LSP up/down events.

<next-hop>—LDP next-hop control.

<no-forwarding>—Do not use LDP ingress routes for forwarding.

<oam>—Configure periodic OAM for a LDP FEC.

<policing>—Configure policing for an LDP FEC.

<preference>—Route preference.

<session>—Configure session parameters.

<session-protection>—Configure session protection.

<strict-targeted-hellos>—Do not send targeted hellos to unconfigured neighbors.

<targeted-hello>—Configure targeted hello parameters.

<traceoptions>—Trace options for LDP.

<track-igp-metric>—Track the IGP metric.

<traffic-statistics>—Collect statistics for LDP label-switched paths.

<transport-address>—Address used for TCP sessions.

**<ldp> (configuration/protocols)**

---

**Usage**   <configuration>  
               <protocols>  
               **<ldp>**  
                   <traceoptions>...</traceoptions>  
                   <traffic-statistics>...</traffic-statistics>  
                   <graceful-restart>...</graceful-restart>  
                   <preference>*preference*</preference>  
                   <no-forwarding/>  
                   <l2-smart-policy/>  
                   <track-igp-metric/>  
                   <strict-targeted-hellos/>  
                   <import>...</import>  
                   <export>...</export>  
                   <egress-policy>...</egress-policy>  
                   <next-hop>...</next-hop>  
                   <deaggregate/>  
                   <explicit-null/>  
                   <label-withdrawal-delay>*seconds*</label-withdrawal-delay>  
                   <transport-address>...</transport-address>  
                   <keepalive-interval>*keepalive-interval*</keepalive-interval>  
                   <keepalive-timeout>*keepalive-timeout*</keepalive-timeout>  
                   <interface>...</interface>  
                   <session>...</session>  
                   <session-protection>...</session-protection>  
                   <log-updown>...</log-updown>  
                   <policing>...</policing>  
                   <oam>...</oam>  
                   <targeted-hello>...</targeted-hello>  
               **</ldp>**  
               </protocols>  
           </configuration>

**Description**   LDP options.

**Contents**   <deaggregate>—Deaggregate FECs into separate labels.

                  <egress-policy>—Configure LSP egress policy.

                  <explicit-null>—Advertise the EXPLICIT\_NULL label for egress FECs.

                  <export>—Export policy.

                  <graceful-restart>—Configure graceful restart attributes.

                  <import>—Import policy.

                  <interface>—Enable LDP on this interface.

                  <keepalive-interval>—Keepalive interval (seconds).

                  <keepalive-timeout>—Keepalive timeout (seconds).

                  <l2-smart-policy>—Do not export or import Layer 3 FECs for Layer 2 sessions.

<label-withdrawal-delay>—Delay label withdrawal for FECs to avoid label churn.

<log-updown>—Logging actions for LSP up/down events.

<next-hop>—LDP next-hop control.

<no-forwarding>—Do not use LDP ingress routes for forwarding.

<oam>—Configure periodic OAM for a LDP FEC.

<policing>—Configure policing for an LDP FEC.

<preference>—Route preference.

<session>—Configure session parameters.

<session-protection>—Configure session protection.

<strict-targeted-hellos>—Do not send targeted hellos to unconfigured neighbors.

<targeted-hello>—Configure targeted hello parameters.

<traceoptions>—Trace options for LDP.

<track-igp-metric>—Track the IGP metric.

<traffic-statistics>—Collect statistics for LDP label-switched paths.

<transport-address>—Address used for TCP sessions.

**<ldp> (configuration/routing-instances/instance/protocols)**

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <protocols>  
                 **<ldp>**  
                   <traceoptions>...</traceoptions>  
                   <traffic-statistics>...</traffic-statistics>  
                   <graceful-restart>...</graceful-restart>  
                   <preference>*preference*</preference>  
                   <no-forwarding/>  
                   <l2-smart-policy/>  
                   <track-igp-metric/>  
                   <strict-targeted-hellos/>  
                   <import>...</import>  
                   <export>...</export>  
                   <egress-policy>...</egress-policy>  
                   <next-hop>...</next-hop>  
                   <deaggregate/>  
                   <explicit-null/>  
                   <label-withdrawal-delay>*seconds*</label-withdrawal-delay>  
                   <transport-address>...</transport-address>  
                   <keepalive-interval>*keepalive-interval*</keepalive-interval>  
                   <keepalive-timeout>*keepalive-timeout*</keepalive-timeout>  
                   <interface>...</interface>  
                   <session>...</session>  
                   <session-protection>...</session-protection>  
                   <log-updown>...</log-updown>  
                   <policing>...</policing>  
                   <oam>...</oam>  
                   <targeted-hello>...</targeted-hello>  
                 **</ldp>**  
               </protocols>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** LDP configuration.

**Contents** <deaggregate>—Deaggregate FECs into separate labels.  
           <egress-policy>—Configure LSP egress policy.  
           <explicit-null>—Advertise the EXPLICIT\_NULL label for egress FECs.  
           <export>—Export policy.  
           <graceful-restart>—Configure graceful restart attributes.  
           <import>—Import policy.  
           <interface>—Enable LDP on this interface.  
           <keepalive-interval>—Keepalive interval (seconds).

<keepalive-timeout>—Keepalive timeout (seconds).

<l2-smart-policy>—Do not export or import Layer 3 FECs for Layer 2 sessions.

<label-withdrawal-delay>—Delay label withdrawal for FECs to avoid label churn.

<log-updown>—Logging actions for LSP up/down events.

<next-hop>—LDP next-hop control.

<no-forwarding>—Do not use LDP ingress routes for forwarding.

<oam>—Configure periodic OAM for a LDP FEC.

<policing>—Configure policing for an LDP FEC.

<preference>—Route preference.

<session>—Configure session parameters.

<session-protection>—Configure session protection.

<strict-targeted-hellos>—Do not send targeted hellos to unconfigured neighbors.

<targeted-hello>—Configure targeted hello parameters.

<traceoptions>—Trace options for LDP.

<track-igp-metric>—Track the IGP metric.

<traffic-statistics>—Collect statistics for LDP label-switched paths.

<transport-address>—Address used for TCP sessions.



## **<ldp-synchronization> (configuration/logical-systems/protocols/isis/interface)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <isis>  
           <interface>  
             **<ldp-synchronization>**  
               <disable/>  
               <hold-time>*hold-time*</hold-time>  
             **</ldp-synchronization>**  
           </interface>  
         </isis>  
       </protocols>  
     </logical-systems>  
 </configuration>

**Description** Advertise maximum metric until LDP is operational.

**Contents** <disable>—Disable LDP synchronization.

<hold-time>—Time during which maximum metric is advertised.

## **<ldp-synchronization> (configuration/logical-systems/protocols/ospf/area/interface)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <ospf>  
           <area>  
           <interface>  
             **<ldp-synchronization>**  
               <disable/>  
               <hold-time>*hold-time*</hold-time>  
             **</ldp-synchronization>**  
           </interface>  
         </area>  
       </ospf>  
     </protocols>  
 </logical-systems>  
 </configuration>

**Description** Advertise maximum metric until LDP is operational.

**Contents** <disable>—Disable LDP synchronization.

<hold-time>—Time during which maximum metric is advertised.

## **<ldp-synchronization> (configuration/logical-systems/protocols/ospf3/area/interface)**

---

**Usage** <configuration>  
 <logical-systems>  
 <protocols>  
 <ospf3>  
 <area>  
 <interface>  
   **<ldp-synchronization>**  
     <disable/>  
     <hold-time>*hold-time*</hold-time>  
   **</ldp-synchronization>**  
 </interface>  
 </area>  
 </ospf3>  
 </protocols>  
 </logical-systems>  
 </configuration>

**Description** Advertise maximum metric until LDP is operational.

**Contents** <disable>—Disable LDP synchronization.

<hold-time>—Time during which maximum metric is advertised.

## **<ldp-synchronization> (configuration/logical-systems/protocols/ospf3/realm/area/interface)**

---

**Usage** <configuration>  
 <logical-systems>  
 <protocols>  
 <ospf3>  
 <realm>  
 <area>  
 <interface>  
   **<ldp-synchronization>**  
     <disable/>  
     <hold-time>*hold-time*</hold-time>  
   **</ldp-synchronization>**  
 </interface>  
 </area>  
 </realm>  
 </ospf3>  
 </protocols>  
 </logical-systems>  
 </configuration>

**Description** Advertise maximum metric until LDP is operational.

**Contents** <disable>—Disable LDP synchronization.

<hold-time>—Time during which maximum metric is advertised.

## **<ldp-synchronization> (configuration/logical-systems/routing-instances/instance/protocols/isis/interface)**

---

**Usage**   <configuration>  
               <logical-systems>  
                   <routing-instances>  
                       <instance>  
                         <protocols>  
                           <isis>  
                               <interface>  
                                   **<ldp-synchronization>**  
                                       <disable/>  
                                       <hold-time>*hold-time*</hold-time>  
                                   **</ldp-synchronization>**  
                               </interface>  
                           </isis>  
                         </protocols>  
                       </instance>  
                   </routing-instances>  
               </logical-systems>  
           </configuration>

**Description**   Advertise maximum metric until LDP is operational.

**Contents**   <disable>—Disable LDP synchronization.

              <hold-time>—Time during which maximum metric is advertised.

## **<ldp-synchronization> (configuration/logical-systems/routing-instances/instance/protocols/ospf/area/interface)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <ospf>
            <area>
              <interface>
                <ldp-synchronization>
                  <disable/>
                  <hold-time>hold-time</hold-time>
                </ldp-synchronization>
              </interface>
            </area>
          </ospf>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Advertise maximum metric until LDP is operational.

**Contents** <disable>—Disable LDP synchronization.

<hold-time>—Time during which maximum metric is advertised.

## **<ldp-synchronization> (configuration/logical-systems/ routing-instances/instance/protocols/ospf3/area/interface)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <ospf3>  
           <area>  
           <interface>  
             **<ldp-synchronization>**  
             <disable/>  
             <hold-time>*hold-time*</hold-time>  
             **</ldp-synchronization>**  
           </interface>  
         </area>  
       </ospf3>  
     </protocols>  
   </instance>  
</routing-instances>  
</logical-systems>  
</configuration>

**Description**   Advertise maximum metric until LDP is operational.

**Contents**   <disable>—Disable LDP synchronization.

          <hold-time>—Time during which maximum metric is advertised.

## **<ldp-synchronization> (configuration/logical-systems/routing-instances/instance/protocols/ospf3/realm/area/interface)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <ospf3>
            <realm>
              <area>
                <interface>
                  <ldp-synchronization>
                    <disable/>
                    <hold-time>hold-time</hold-time>
                  </ldp-synchronization>
                </interface>
              </area>
            </realm>
          </ospf3>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Advertise maximum metric until LDP is operational.

**Contents** <disable>—Disable LDP synchronization.

<hold-time>—Time during which maximum metric is advertised.

## **<ldp-synchronization> (configuration/protocols/isis/interface)**

---

**Usage**

```

<configuration>
  <protocols>
    <isis>
      <interface>
        <ldp-synchronization>
          <disable/>
          <hold-time>hold-time</hold-time>
        </ldp-synchronization>
      </interface>
    </isis>
  </protocols>
</configuration>

```

**Description** Advertise maximum metric until LDP is operational.

**Contents** <disable>—Disable LDP synchronization.

<hold-time>—Time during which maximum metric is advertised.

## **<ldp-synchronization> (configuration/protocols/ospf/area/interface)**

---

**Usage** <configuration>  
           <protocols>  
           <ospf>  
           <area>  
           <interface>  
             **<ldp-synchronization>**  
               <disable/>  
               <hold-time>*hold-time*</hold-time>  
             **</ldp-synchronization>**  
           </interface>  
         </area>  
       </ospf>  
     </protocols>  
 </configuration>

**Description** Advertise maximum metric until LDP is operational.

**Contents** <disable>—Disable LDP synchronization.

<hold-time>—Time during which maximum metric is advertised.

## **<ldp-synchronization> (configuration/protocols/ospf3/area/interface)**

---

**Usage** <configuration>  
           <protocols>  
           <ospf3>  
           <area>  
           <interface>  
             **<ldp-synchronization>**  
               <disable/>  
               <hold-time>*hold-time*</hold-time>  
             **</ldp-synchronization>**  
           </interface>  
         </area>  
       </ospf3>  
     </protocols>  
 </configuration>

**Description** Advertise maximum metric until LDP is operational.

**Contents** <disable>—Disable LDP synchronization.

<hold-time>—Time during which maximum metric is advertised.

## **<ldp-synchronization> (configuration/protocols/ospf3/realm/area/interface)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;ospf3&gt;       &lt;realm&gt;         &lt;area&gt;           &lt;interface&gt;             <b>&lt;ldp-synchronization&gt;</b>               &lt;disable/&gt;               &lt;hold-time&gt;<i>hold-time</i>&lt;/hold-time&gt;             <b>&lt;/ldp-synchronization&gt;</b>           &lt;/interface&gt;         &lt;/area&gt;       &lt;/realm&gt;     &lt;/ospf3&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Advertise maximum metric until LDP is operational.
<b>Contents</b>	<p>&lt;disable&gt;—Disable LDP synchronization.</p> <p>&lt;hold-time&gt;—Time during which maximum metric is advertised.</p>

## **<ldp-synchronization> (configuration/routing-instances/instance/protocols/isis/interface)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;protocols&gt;         &lt;isis&gt;           &lt;interface&gt;             <b>&lt;ldp-synchronization&gt;</b>               &lt;disable/&gt;               &lt;hold-time&gt;<i>hold-time</i>&lt;/hold-time&gt;             <b>&lt;/ldp-synchronization&gt;</b>           &lt;/interface&gt;         &lt;/isis&gt;       &lt;/protocols&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Advertise maximum metric until LDP is operational.
<b>Contents</b>	<p>&lt;disable&gt;—Disable LDP synchronization.</p> <p>&lt;hold-time&gt;—Time during which maximum metric is advertised.</p>



**<ldp-synchronization> (configuration/routing-instances/instance/protocols/ospf/area/interface)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <ospf>  
          <area>  
          <interface>  
              **<ldp-synchronization>**  
              <disable/>  
              <hold-time>*hold-time*</hold-time>  
              **</ldp-synchronization>**  
          </interface>  
          </area>  
          </ospf>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Advertise maximum metric until LDP is operational.

**Contents**   <disable>—Disable LDP synchronization.  
              <hold-time>—Time during which maximum metric is advertised.

**<ldp-synchronization> (configuration/routing-instances/instance/protocols/ospf3/area/interface)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <ospf3>  
          <area>  
          <interface>  
            **<ldp-synchronization>**  
            <disable/>  
            <hold-time>*hold-time*</hold-time>  
            **</ldp-synchronization>**  
          </interface>  
          </area>  
          </ospf3>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Advertise maximum metric until LDP is operational.

**Contents**   <disable>—Disable LDP synchronization.

          <hold-time>—Time during which maximum metric is advertised.

## **<ldp-synchronization> (configuration/routing-instances/instance/protocols/ospf3/realm/area/interface)**

---

**Usage** <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <ospf3>  
           <realm>  
           <area>  
           <interface>  
             **<ldp-synchronization>**  
               <disable/>  
               <hold-time>*hold-time*</hold-time>  
             **</ldp-synchronization>**  
           </interface>  
         </area>  
       </realm>  
     </ospf3>  
 </protocols>  
</instance>  
</routing-instances>  
</configuration>

**Description** Advertise maximum metric until LDP is operational.

**Contents** <disable>—Disable LDP synchronization.

<hold-time>—Time during which maximum metric is advertised.

## **<learn-vlan-1p-priority> (configuration/firewall/family/bridge/filter/term/from)**

---

**Usage** <configuration>  
     <firewall>  
         <family>  
             <bridge>  
                 <filter>  
                     <term>  
                         <from>  
                             **<learn-vlan-1p-priority>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</learn-vlan-1p-priority>**  
                         </from>  
                     </term>  
                 </filter>  
             </bridge>  
         </family>  
     </firewall>  
</configuration>

**Description** Match Learned 802.1p VLAN Priority.

**Contents** <name>—802.1p priority value 0-7.

## **<learn-vlan-1p-priority> (configuration/firewall/family/vpls/filter/term/from)**

---

**Usage** <configuration>  
     <firewall>  
         <family>  
             <vpls>  
                 <filter>  
                     <term>  
                         <from>  
                             **<learn-vlan-1p-priority>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</learn-vlan-1p-priority>**  
                         </from>  
                     </term>  
                 </filter>  
             </vpls>  
         </family>  
     </firewall>  
</configuration>

**Description** Match Learned 802.1p VLAN Priority.

**Contents** <name>—802.1p priority value 0-7.

## **<learn-vlan-1p-priority> (configuration/logical-systems/firewall/family/bridge/filter/term/from)**

---

**Usage** <configuration>  
     <logical-systems>  
         <firewall>  
             <family>  
                 <bridge>  
                     <filter>  
                         <term>  
                             <from>  
                                 **<learn-vlan-1p-priority>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</learn-vlan-1p-priority>**  
                             </from>  
                         </term>  
                     </filter>  
                 </bridge>  
             </family>  
         </firewall>  
     </logical-systems>  
 </configuration>

**Description** Match Learned 802.1p VLAN Priority.

**Contents** <name>—802.1p priority value 0-7.

## **<learn-vlan-1p-priority> (configuration/logical-systems/firewall/family/vpls/filter/term/from)**

---

**Usage** <configuration>  
     <logical-systems>  
         <firewall>  
             <family>  
                 <vpls>  
                     <filter>  
                         <term>  
                             <from>  
                                 **<learn-vlan-1p-priority>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</learn-vlan-1p-priority>**  
                             </from>  
                         </term>  
                     </filter>  
                 </vpls>  
             </family>  
         </firewall>  
     </logical-systems>  
 </configuration>

**Description** Match Learned 802.1p VLAN Priority.

**Contents** <name>—802.1p priority value 0-7.

## **<learn-vlan-1p-priority-except> (configuration/firewall/family/bridge/filter/term/from)**

---

**Usage** <configuration>  
     <firewall>  
         <family>  
             <bridge>  
                 <filter>  
                     <term>  
                         <from>  
                             **<learn-vlan-1p-priority-except>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</learn-vlan-1p-priority-except>**  
                         </from>  
                     </term>  
                 </filter>  
             </bridge>  
         </family>  
     </firewall>  
</configuration>

**Description** Do not match Learned 802.1p VLAN Priority.

**Contents** <name>—802.1p priority value 0-7.

## **<learn-vlan-1p-priority-except> (configuration/firewall/family/vpls/filter/term/from)**

---

**Usage** <configuration>  
     <firewall>  
         <family>  
             <vpls>  
                 <filter>  
                     <term>  
                         <from>  
                             **<learn-vlan-1p-priority-except>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</learn-vlan-1p-priority-except>**  
                         </from>  
                     </term>  
                 </filter>  
             </vpls>  
         </family>  
     </firewall>  
</configuration>

**Description** Do not match Learned 802.1p VLAN Priority.

**Contents** <name>—802.1p priority value 0-7.

## **<learn-vlan-1p-priority-except> (configuration/logical-systems/firewall/family/bridge/filter/term/from)**

---

**Usage** <configuration>  
 <logical-systems>  
 <firewall>  
 <family>  
 <bridge>  
 <filter>  
 <term>  
 <from>  
   **<learn-vlan-1p-priority-except>**  
     <name>name</name>   <!-- identifier -->  
   **</learn-vlan-1p-priority-except>**  
 </from>  
</term>  
</filter>  
</bridge>  
</family>  
</firewall>  
</logical-systems>  
</configuration>

**Description** Do not match Learned 802.1p VLAN Priority.

**Contents** <name>—802.1p priority value 0-7.

## **<learn-vlan-1p-priority-except> (configuration/logical-systems/firewall/family/vpls/filter/term/from)**

---

**Usage** <configuration>  
 <logical-systems>  
 <firewall>  
 <family>  
 <vpls>  
 <filter>  
 <term>  
 <from>  
   **<learn-vlan-1p-priority-except>**  
     <name>name</name>   <!-- identifier -->  
   **</learn-vlan-1p-priority-except>**  
 </from>  
</term>  
</filter>  
</vpls>  
</family>  
</firewall>  
</logical-systems>  
</configuration>

**Description** Do not match Learned 802.1p VLAN Priority.

**Contents** <name>—802.1p priority value 0-7.

## <learn-vlan-id> (configuration/firewall/family/bridge/filter/term/from)

---

**Usage** <configuration>  
     <firewall>  
         <family>  
             <bridge>  
                 <filter>  
                     <term>  
                         <from>  
                             <learn-vlan-id>  
                                 <name>name</name>   <!-- identifier -->  
                             </learn-vlan-id>  
                         </from>  
                     </term>  
                 </filter>  
             </bridge>  
         </family>  
     </firewall>  
 </configuration>

**Description** Match Learnt VLAN ID.

**Contents** <name>—Range of values.

## <learn-vlan-id> (configuration/firewall/family/vpls/filter/term/from)

---

**Usage** <configuration>  
     <firewall>  
         <family>  
             <vpls>  
                 <filter>  
                     <term>  
                         <from>  
                             <learn-vlan-id>  
                                 <name>name</name>   <!-- identifier -->  
                             </learn-vlan-id>  
                         </from>  
                     </term>  
                 </filter>  
             </vpls>  
         </family>  
     </firewall>  
 </configuration>

**Description** Match Learnt VLAN ID.

**Contents** <name>—Range of values.



## **<learn-vlan-id> (configuration/logical-systems/firewall/family/bridge/filter/term/from)**

---

**Usage** <configuration>  
           <logical-systems>  
           <firewall>  
           <family>  
           <bridge>  
           <filter>  
           <term>  
           <from>  
               **<learn-vlan-id>**  
                   <name>name</name>   <!-- identifier -->  
               **</learn-vlan-id>**  
           </from>  
           </term>  
           </filter>  
           </bridge>  
           </family>  
           </firewall>  
           </logical-systems>  
           </configuration>

**Description** Match Learnt VLAN ID.

**Contents** <name>—Range of values.

## **<learn-vlan-id> (configuration/logical-systems/firewall/family/vpls/filter/term/from)**

---

**Usage** <configuration>  
           <logical-systems>  
           <firewall>  
           <family>  
           <vpls>  
           <filter>  
           <term>  
           <from>  
               **<learn-vlan-id>**  
                   <name>name</name>   <!-- identifier -->  
               **</learn-vlan-id>**  
           </from>  
           </term>  
           </filter>  
           </vpls>  
           </family>  
           </firewall>  
           </logical-systems>  
           </configuration>

**Description** Match Learnt VLAN ID.

**Contents** <name>—Range of values.

## **<learn-vlan-id-except> (configuration/firewall/family/bridge/filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
             <family>  
               <bridge>  
                 <filter>  
                   <term>  
                     <from>  
                       **<learn-vlan-id-except>**  
                         <name>*name*</name>   <!-- identifier -->  
                       **</learn-vlan-id-except>**  
                     </from>  
                   </term>  
                 </filter>  
               </bridge>  
             </family>  
           </firewall>  
         </configuration>

**Description** Do not match Learnt VLAN ID.

**Contents** <name>—Range of values.

## **<learn-vlan-id-except> (configuration/firewall/family/vpls/filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
             <family>  
               <vpls>  
                 <filter>  
                   <term>  
                     <from>  
                       **<learn-vlan-id-except>**  
                         <name>*name*</name>   <!-- identifier -->  
                       **</learn-vlan-id-except>**  
                     </from>  
                   </term>  
                 </filter>  
               </vpls>  
             </family>  
           </firewall>  
         </configuration>

**Description** Do not match Learnt VLAN ID.

**Contents** <name>—Range of values.

## **<learn-vlan-id-except> (configuration/logical-systems/firewall/family/bridge/filter/term/from)**

---

**Usage** <configuration>  
           <logical-systems>  
           <firewall>  
           <family>  
           <bridge>  
           <filter>  
           <term>  
           <from>  
               **<learn-vlan-id-except>**  
                   <name>name</name>   <!-- identifier -->  
               **</learn-vlan-id-except>**  
           </from>  
           </term>  
           </filter>  
           </bridge>  
           </family>  
           </firewall>  
           </logical-systems>  
           </configuration>

**Description** Do not match Learnt VLAN ID.

**Contents** <name>—Range of values.

## **<learn-vlan-id-except> (configuration/logical-systems/firewall/family/vpls/filter/term/from)**

---

**Usage** <configuration>  
           <logical-systems>  
           <firewall>  
           <family>  
           <vpls>  
           <filter>  
           <term>  
           <from>  
               **<learn-vlan-id-except>**  
                   <name>name</name>   <!-- identifier -->  
               **</learn-vlan-id-except>**  
           </from>  
           </term>  
           </filter>  
           </vpls>  
           </family>  
           </firewall>  
           </logical-systems>  
           </configuration>

**Description** Do not match Learnt VLAN ID.

**Contents** <name>—Range of values.

**<level> (configuration/bridge-domains/domain/multicast-snooping-options/options/syslog)**

---

**Usage**   <configuration>  
          <bridge-domains>  
          <domain>  
          <multicast-snooping-options>  
          <options>  
          <syslog>  
          **<level>**  
            <emergency/>  
            <alert/>  
            <critical/>  
            <error/>  
            <warning/>  
            <notice/>  
            <info/>  
            <debug/>  
          **</level>**  
          </syslog>  
          </options>  
          </multicast-snooping-options>  
          </domain>  
          </bridge-domains>  
          </configuration>

**Description**   Logging level.

**Contents**   <alert>—Alert level.

              <critical>—Critical level.

              <debug>—Debugging level.

              <emergency>—Emergency level.

              <error>—Error level.

              <info>—Informational level.

              <notice>—Notice level.

              <warning>—Warning level.

**<level> (configuration/logical-systems/protocols/isis)**

---

**Usage** <configuration>  
 <logical-systems>  
 <protocols>  
 <isis>  
 <level>  
 <name>name</name>   <!-- identifier -->  
 <disable/>  
 <authentication-key>authentication-key</authentication-key>  
 <authentication-type>authentication-type-choice</authentication-type>  
 <no-hello-authentication/>  
 <no-csnp-authentication/>  
 <no-psnp-authentication/>  
 <wide-metrics-only/>  
 <preference>preference</preference>  
 <external-preference>external-preference</external-preference>  
 <prefix-export-limit>prefix-export-limit</prefix-export-limit>  
 </level>  
 </isis>  
 </protocols>  
 </logical-systems>  
 </configuration>

**Description** Configure global level attributes.

**Contents** <authentication-key>—Authentication key (password).

<authentication-type>—Authentication type.

■ md5—MD5 authentication.

■ simple—Simple password authentication.

<disable>—Disable IS-IS on this level.

<external-preference>—Preference of external routes.

<name>—IS-IS level number.

<no-csnp-authentication>—Disable authentication for CSN packets.

<no-hello-authentication>—Disable authentication for hello packets.

<no-psnp-authentication>—Disable authentication for PSN packets.

<preference>—Preference of internal routes.

<prefix-export-limit>—Maximum number of external prefixes that can be exported.

<wide-metrics-only>—Generate wide metrics only.

**<level> (configuration/logical-systems/protocols/isis/interface)**

---

**Usage** <configuration>  
 <logical-systems>  
 <protocols>  
 <isis>  
 <interface>  
   **<level>**  
     <name>*name*</name>   <!-- identifier -->  
     <disable/>  
     <metric>*metric*</metric>  
     <ipv4-multicast-metric>*ipv4-multicast-metric*</ipv4-multicast-metric>  
     <ipv6-unicast-metric>*ipv6-unicast-metric*</ipv6-unicast-metric>  
     <ipv6-multicast-metric>*ipv6-multicast-metric*</ipv6-multicast-metric>  
     <te-metric>*te-metric*</te-metric>  
     <hello-authentication-key>*hello-authentication-key*  
       </hello-authentication-key>  
     <hello-authentication-type>*hello-authentication-type-choice*  
       </hello-authentication-type>  
     <hello-interval>*seconds*</hello-interval>  
     <hold-time>*seconds*</hold-time>  
     <priority>*priority*</priority>  
     <passive/>  
   </level>  
 </interface>  
</isis>  
</protocols>  
</logical-systems>  
</configuration>

**Description** Configure levels on this interface.

**Contents** <disable>—Disable IS-IS for this level.

<hello-authentication-key>—Authentication key (password) for hello packets.

<hello-authentication-type>—Authentication type for hello packets.

■ md5—MD5 authentication.

■ simple—Simple password authentication.

<hello-interval>—Interval between hello packet transmissions.

<hold-time>—Time after which neighbors think the interface is down.

<ipv4-multicast-metric>—IPv4 multicast metric for this level.

<ipv6-multicast-metric>—IPv6 multicast metric for this level.

<ipv6-unicast-metric>—IPv6 unicast metric for this level.

<metric>—Metric for this level.

<name>—IS-IS level number.

- <passive>—Don't run IS-IS at this level, but advertise the interface.
- <priority>—Designated router election priority.
- <te-metric>—Traffic engineering metric.

**<level> (configuration/logical-systems/protocols/isis/label-switched-path)**

---

**Usage** <configuration>  
          <logical-systems>  
          <protocols>  
          <isis>  
          <label-switched-path>  
            **<level>**  
              <name>name</name>   <!-- identifier -->  
              <disable/>  
              <metric>metric</metric>  
            **</level>**  
          </label-switched-path>  
          </isis>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description** Level to advertise this label-switched path.

- Contents** <disable>—Disable advertisements to this level.
- <metric>—SPF metric for this level.
- <name>—IS-IS level number.

## **<level> (configuration/logical-systems/routing-instances/instance/bridge-domains/domain/multicast-snooping-options/options/syslog)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <bridge-domains>
          <domain>
            <multicast-snooping-options>
              <options>
                <syslog>
                  <level>
                    <emergency/>
                    <alert/>
                    <critical/>
                    <error/>
                    <warning/>
                    <notice/>
                    <info/>
                    <debug/>
                  </level>
                </syslog>
              </options>
            </multicast-snooping-options>
          </domain>
        </bridge-domains>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Logging level.

**Contents**

- <alert>—Alert level.
- <critical>—Critical level.
- <debug>—Debugging level.
- <emergency>—Emergency level.
- <error>—Error level.
- <info>—Informational level.
- <notice>—Notice level.
- <warning>—Warning level.



**<level> (configuration/logical-systems/routing-instances/instance/multicast-snooping-options/options/syslog)**

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-instances&gt;       &lt;instance&gt;         &lt;multicast-snooping-options&gt;           &lt;options&gt;             &lt;syslog&gt;               <b>&lt;level&gt;</b>                 &lt;emergency/&gt;                 &lt;alert/&gt;                 &lt;critical/&gt;                 &lt;error/&gt;                 &lt;warning/&gt;                 &lt;notice/&gt;                 &lt;info/&gt;                 &lt;debug/&gt;               <b>&lt;/level&gt;</b>             &lt;/syslog&gt;           &lt;/options&gt;         &lt;/multicast-snooping-options&gt;       &lt;/instance&gt;     &lt;/routing-instances&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Logging level.
<b>Contents</b>	<p>&lt;alert&gt;—Alert level.</p> <p>&lt;critical&gt;—Critical level.</p> <p>&lt;debug&gt;—Debugging level.</p> <p>&lt;emergency&gt;—Emergency level.</p> <p>&lt;error&gt;—Error level.</p> <p>&lt;info&gt;—Informational level.</p> <p>&lt;notice&gt;—Notice level.</p> <p>&lt;warning&gt;—Warning level.</p>

## **<level> (configuration/logical-systems/routing-instances/instance/protocols/isis)**

---

**Usage** <configuration>  
 <logical-systems>  
 <routing-instances>  
 <instance>  
 <protocols>  
 <isis>  
   **<level>**  
     <name>*name*</name>   <!-- identifier -->  
     <disable/>  
     <authentication-key>*authentication-key*</authentication-key>  
     <authentication-type>*authentication-type-choice*</authentication-type>  
     <no-hello-authentication/>  
     <no-csnp-authentication/>  
     <no-psnp-authentication/>  
     <wide-metrics-only/>  
     <preference>*preference*</preference>  
     <external-preference>*external-preference*</external-preference>  
     <prefix-export-limit>*prefix-export-limit*</prefix-export-limit>  
   **</level>**  
 </isis>  
 </protocols>  
 </instance>  
 </routing-instances>  
 </logical-systems>  
 </configuration>

**Description** Configure global level attributes.

**Contents** <authentication-key>—Authentication key (password).

<authentication-type>—Authentication type.

■ md5—MD5 authentication.

■ simple—Simple password authentication.

<disable>—Disable IS-IS on this level.

<external-preference>—Preference of external routes.

<name>—IS-IS level number.

<no-csnp-authentication>—Disable authentication for CSN packets.

<no-hello-authentication>—Disable authentication for hello packets.

<no-psnp-authentication>—Disable authentication for PSN packets.

<preference>—Preference of internal routes.

<prefix-export-limit>—Maximum number of external prefixes that can be exported.

<wide-metrics-only>—Generate wide metrics only.

## **<level> (configuration/logical-systems/routing-instances/instance/protocols/isis/interface)**

---

**Usage** <configuration>  
 <logical-systems>  
 <routing-instances>  
 <instance>  
 <protocols>  
 <isis>  
 <interface>  
**<level>**  
 <name>*name*</name>    <!-- identifier -->  
 <disable/>  
 <metric>*metric*</metric>  
 <ipv4-multicast-metric>*ipv4-multicast-metric*</ipv4-multicast-metric>  
 <ipv6-unicast-metric>*ipv6-unicast-metric*</ipv6-unicast-metric>  
 <ipv6-multicast-metric>*ipv6-multicast-metric*</ipv6-multicast-metric>  
 <te-metric>*te-metric*</te-metric>  
 <hello-authentication-key>*hello-authentication-key*  
 </hello-authentication-key>  
 <hello-authentication-type>*hello-authentication-type-choice*  
 </hello-authentication-type>  
 <hello-interval>*seconds*</hello-interval>  
 <hold-time>*seconds*</hold-time>  
 <priority>*priority*</priority>  
 <passive/>  
**</level>**  
 </interface>  
 </isis>  
 </protocols>  
 </instance>  
 </routing-instances>  
 </logical-systems>  
 </configuration>

**Description** Configure levels on this interface.

**Contents** <disable>—Disable IS-IS for this level.

<hello-authentication-key>—Authentication key (password) for hello packets.

<hello-authentication-type>—Authentication type for hello packets.

■ md5—MD5 authentication.

■ simple—Simple password authentication.

<hello-interval>—Interval between hello packet transmissions.

<hold-time>—Time after which neighbors think the interface is down.

<ipv4-multicast-metric>—IPv4 multicast metric for this level.

<ipv6-multicast-metric>—IPv6 multicast metric for this level.

- <ipv6-unicast-metric>—IPv6 unicast metric for this level.
- <metric>—Metric for this level.
- <name>—IS-IS level number.
- <passive>—Don't run IS-IS at this level, but advertise the interface.
- <priority>—Designated router election priority.
- <te-metric>—Traffic engineering metric.

**<level> (configuration/logical-systems/routing-instances/  
instance/protocols/isis/label-switched-path)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <isis>  
          <label-switched-path>  
          **<level>**  
            <name>name</name>   <!-- identifier -->  
            <disable/>  
            <metric>metric</metric>  
          **</level>**  
          </label-switched-path>  
          </isis>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Level to advertise this label-switched path.

- Contents**
- <disable>—Disable advertisements to this level.
  - <metric>—SPF metric for this level.
  - <name>—IS-IS level number.

**<level> (configuration/logical-systems/routing-instances/  
instance/routing-options/options/syslog)**

---

**Usage** <configuration>  
    <logical-systems>  
        <routing-instances>  
            <instance>  
                <routing-options>  
                    <options>  
                        <syslog>  
                            **<level>**  
                                <emergency/>  
                                <alert/>  
                                <critical/>  
                                <error/>  
                                <warning/>  
                                <notice/>  
                                <info/>  
                                <debug/>  
                            **</level>**  
                        </syslog>  
                    </options>  
                </routing-options>  
            </instance>  
        </routing-instances>  
    </logical-systems>  
</configuration>

**Description** Logging level.

**Contents** <alert>—Alert level.

<critical>—Critical level.

<debug>—Debugging level.

<emergency>—Emergency level.

<error>—Error level.

<info>—Informational level.

<notice>—Notice level.

<warning>—Warning level.

**<level> (configuration/logical-systems/routing-options/options/syslog)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-options>  
          <options>  
          <syslog>  
          **<level>**  
            <emergency/>  
            <alert/>  
            <critical/>  
            <error/>  
            <warning/>  
            <notice/>  
            <info/>  
            <debug/>  
          **</level>**  
          </syslog>  
          </options>  
          </routing-options>  
          </logical-systems>  
          </configuration>

**Description**   Logging level.

**Contents**   <alert>—Alert level.  
  
              <critical>—Critical level.  
  
              <debug>—Debugging level.  
  
              <emergency>—Emergency level.  
  
              <error>—Error level.  
  
              <info>—Informational level.  
  
              <notice>—Notice level.  
  
              <warning>—Warning level.

**<level> (configuration/multicast-snooping-options/options/syslog)**

---

**Usage** <configuration>  
    <multicast-snooping-options>  
        <options>  
            <syslog>  
                <level>  
                    <emergency/>  
                    <alert/>  
                    <critical/>  
                    <error/>  
                    <warning/>  
                    <notice/>  
                    <info/>  
                    <debug/>  
                </level>  
            </syslog>  
        </options>  
    </multicast-snooping-options>  
</configuration>

**Description** Logging level.

**Contents** <alert>—Alert level.  
  
<critical>—Critical level.  
  
<debug>—Debugging level.  
  
<emergency>—Emergency level.  
  
<error>—Error level.  
  
<info>—Informational level.  
  
<notice>—Notice level.  
  
<warning>—Warning level.



**<level> (configuration/protocols/isis)**

---

**Usage** <configuration>  
 <protocols>  
 <isis>  
   **<level>**  
     <name>*name*</name>   <!-- identifier -->  
     <disable/>  
     <authentication-key>*authentication-key*</authentication-key>  
     <authentication-type>*authentication-type-choice*</authentication-type>  
     <no-hello-authentication/>  
     <no-csnp-authentication/>  
     <no-psnp-authentication/>  
     <wide-metrics-only/>  
     <preference>*preference*</preference>  
     <external-preference>*external-preference*</external-preference>  
     <prefix-export-limit>*prefix-export-limit*</prefix-export-limit>  
   **</level>**  
 </isis>  
 </protocols>  
 </configuration>

**Description** Configure global level attributes.

**Contents** <authentication-key>—Authentication key (password).

<authentication-type>—Authentication type.

■ md5—MD5 authentication.

■ simple—Simple password authentication.

<disable>—Disable IS-IS on this level.

<external-preference>—Preference of external routes.

<name>—IS-IS level number.

<no-csnp-authentication>—Disable authentication for CSN packets.

<no-hello-authentication>—Disable authentication for hello packets.

<no-psnp-authentication>—Disable authentication for PSN packets.

<preference>—Preference of internal routes.

<prefix-export-limit>—Maximum number of external prefixes that can be exported.

<wide-metrics-only>—Generate wide metrics only.

**<level> (configuration/protocols/isis/interface)**

**Usage** <configuration>  
 <protocols>  
 <isis>  
 <interface>  
 <level>  
 <name>name</name> <!-- identifier -->  
 <disable/>  
 <metric>metric</metric>  
 <ipv4-multicast-metric>ipv4-multicast-metric</ipv4-multicast-metric>  
 <ipv6-unicast-metric>ipv6-unicast-metric</ipv6-unicast-metric>  
 <ipv6-multicast-metric>ipv6-multicast-metric</ipv6-multicast-metric>  
 <te-metric>te-metric</te-metric>  
 <hello-authentication-key>hello-authentication-key  
 </hello-authentication-key>  
 <hello-authentication-type>hello-authentication-type-choice  
 </hello-authentication-type>  
 <hello-interval>seconds</hello-interval>  
 <hold-time>seconds</hold-time>  
 <priority>priority</priority>  
 <passive/>  
 </level>  
 </interface>  
 </isis>  
 </protocols>  
 </configuration>

**Description** Configure levels on this interface.

**Contents** <disable>—Disable IS-IS for this level.

<hello-authentication-key>—Authentication key (password) for hello packets.

<hello-authentication-type>—Authentication type for hello packets.

■ md5—MD5 authentication.

■ simple—Simple password authentication.

<hello-interval>—Interval between hello packet transmissions.

<hold-time>—Time after which neighbors think the interface is down.

<ipv4-multicast-metric>—IPv4 multicast metric for this level.

<ipv6-multicast-metric>—IPv6 multicast metric for this level.

<ipv6-unicast-metric>—IPv6 unicast metric for this level.

<metric>—Metric for this level.

<name>—IS-IS level number.

<passive>—Don't run IS-IS at this level, but advertise the interface.

<priority>—Designated router election priority.

<te-metric>—Traffic engineering metric.

**<level> (configuration/protocols/isis/label-switched-path)**

---

**Usage** <configuration>  
    <protocols>  
        <isis>  
            <label-switched-path>  
                **<level>**  
                    <name>*name*</name>   <!-- identifier -->  
                    <disable/>  
                    <metric>*metric*</metric>  
                **</level>**  
            </label-switched-path>  
        </isis>  
    </protocols>  
</configuration>

**Description** Level to advertise this label-switched path.

**Contents** <disable>—Disable advertisements to this level.

<metric>—SPF metric for this level.

<name>—IS-IS level number.

## **<level> (configuration/routing-instances/instance/bridge-domains/domain/multicast-snooping-options/options/syslog)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <bridge-domains>
        <domain>
          <multicast-snooping-options>
            <options>
              <syslog>
                <level>
                  <emergency/>
                  <alert/>
                  <critical/>
                  <error/>
                  <warning/>
                  <notice/>
                  <info/>
                  <debug/>
                </level>
              </syslog>
            </options>
          </multicast-snooping-options>
        </domain>
      </bridge-domains>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Logging level.

**Contents**

- <alert>—Alert level.
- <critical>—Critical level.
- <debug>—Debugging level.
- <emergency>—Emergency level.
- <error>—Error level.
- <info>—Informational level.
- <notice>—Notice level.
- <warning>—Warning level.

## **<level> (configuration/routing-instances/instance/multicast-snooping-options/options/syslog)**

---

**Usage**   <configuration>  
               <routing-instances>  
                   <instance>  
                       <multicast-snooping-options>  
                           <options>  
                               <syslog>  
                                   **<level>**  
                                       <emergency/>  
                                       <alert/>  
                                       <critical/>  
                                       <error/>  
                                       <warning/>  
                                       <notice/>  
                                       <info/>  
                                       <debug/>  
                                   **</level>**  
                               </syslog>  
                           </options>  
                       </multicast-snooping-options>  
                   </instance>  
               </routing-instances>  
           </configuration>

**Description**   Logging level.

**Contents**   <alert>—Alert level.

              <critical>—Critical level.

              <debug>—Debugging level.

              <emergency>—Emergency level.

              <error>—Error level.

              <info>—Informational level.

              <notice>—Notice level.

              <warning>—Warning level.

**<level> (configuration/routing-instances/instance/protocols/isis)**

---

**Usage** <configuration>  
 <routing-instances>  
 <instance>  
 <protocols>  
 <isis>  
   **<level>**  
     <name>*name*</name>   <!-- identifier -->  
     <disable/>  
     <authentication-key>*authentication-key*</authentication-key>  
     <authentication-type>*authentication-type-choice*</authentication-type>  
     <no-hello-authentication/>  
     <no-csnp-authentication/>  
     <no-psnp-authentication/>  
     <wide-metrics-only/>  
     <preference>*preference*</preference>  
     <external-preference>*external-preference*</external-preference>  
     <prefix-export-limit>*prefix-export-limit*</prefix-export-limit>  
   **</level>**  
 </isis>  
 </protocols>  
 </instance>  
 </routing-instances>  
 </configuration>

**Description** Configure global level attributes.

**Contents** <authentication-key>—Authentication key (password).

<authentication-type>—Authentication type.

■ md5—MD5 authentication.

■ simple—Simple password authentication.

<disable>—Disable IS-IS on this level.

<external-preference>—Preference of external routes.

<name>—IS-IS level number.

<no-csnp-authentication>—Disable authentication for CSN packets.

<no-hello-authentication>—Disable authentication for hello packets.

<no-psnp-authentication>—Disable authentication for PSN packets.

<preference>—Preference of internal routes.

<prefix-export-limit>—Maximum number of external prefixes that can be exported.

<wide-metrics-only>—Generate wide metrics only.

## <level> (configuration/routing-instances/instance/protocols/isis/interface)

---

**Usage** <configuration>  
 <routing-instances>  
 <instance>  
 <protocols>  
 <isis>  
 <interface>  
 <level>  
 <name>name</name> <!-- identifier -->  
 <disable/>  
 <metric>metric</metric>  
 <ipv4-multicast-metric>ipv4-multicast-metric</ipv4-multicast-metric>  
 <ipv6-unicast-metric>ipv6-unicast-metric</ipv6-unicast-metric>  
 <ipv6-multicast-metric>ipv6-multicast-metric</ipv6-multicast-metric>  
 <te-metric>te-metric</te-metric>  
 <hello-authentication-key>hello-authentication-key  
 </hello-authentication-key>  
 <hello-authentication-type>hello-authentication-type-choice  
 </hello-authentication-type>  
 <hello-interval>seconds</hello-interval>  
 <hold-time>seconds</hold-time>  
 <priority>priority</priority>  
 <passive/>  
 </level>  
 </interface>  
 </isis>  
 </protocols>  
 </instance>  
 </routing-instances>  
 </configuration>

**Description** Configure levels on this interface.

**Contents** <disable>—Disable IS-IS for this level.

<hello-authentication-key>—Authentication key (password) for hello packets.

<hello-authentication-type>—Authentication type for hello packets.

■ md5—MD5 authentication.

■ simple—Simple password authentication.

<hello-interval>—Interval between hello packet transmissions.

<hold-time>—Time after which neighbors think the interface is down.

<ipv4-multicast-metric>—IPv4 multicast metric for this level.

<ipv6-multicast-metric>—IPv6 multicast metric for this level.

<ipv6-unicast-metric>—IPv6 unicast metric for this level.

<metric>—Metric for this level.

<name>—IS-IS level number.

<passive>—Don't run IS-IS at this level, but advertise the interface.

<priority>—Designated router election priority.

<te-metric>—Traffic engineering metric.

## <level> (configuration/routing-instances/instance/protocols/isis/label-switched-path)

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <isis>
          <label-switched-path>
            <level>
              <name>name</name>    <!-- identifier -->
              <disable/>
              <metric>metric</metric>
            </level>
          </label-switched-path>
        </isis>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Level to advertise this label-switched path.

**Contents** <disable>—Disable advertisements to this level.

<metric>—SPF metric for this level.

<name>—IS-IS level number.



**<level> (configuration/routing-instances/instance/  
routing-options/options/syslog)**

---

**Usage**   <configuration>  
              <routing-instances>  
                  <instance>  
                      <routing-options>  
                          <options>  
                              <syslog>  
                                  **<level>**  
                                      <emergency/>  
                                      <alert/>  
                                      <critical/>  
                                      <error/>  
                                      <warning/>  
                                      <notice/>  
                                      <info/>  
                                      <debug/>  
                                  **</level>**  
                              </syslog>  
                          </options>  
                  </routing-options>  
          </instance>  
      </routing-instances>  
  </configuration>

**Description**   Logging level.

**Contents**   <alert>—Alert level.

              <critical>—Critical level.

              <debug>—Debugging level.

              <emergency>—Emergency level.

              <error>—Error level.

              <info>—Informational level.

              <notice>—Notice level.

              <warning>—Warning level.

**<level> (configuration/routing-options/options/syslog)**

---

**Usage**   <configuration>  
          <routing-options>  
          <options>  
          <syslog>  
          **<level>**  
          <emergency/>  
          <alert/>  
          <critical/>  
          <error/>  
          <warning/>  
          <notice/>  
          <info/>  
          <debug/>  
          **</level>**  
          </syslog>  
          </options>  
          </routing-options>  
          </configuration>

**Description**   Logging level.

**Contents**   <alert>—Alert level.  
  
              <critical>—Critical level.  
  
              <debug>—Debugging level.  
  
              <emergency>—Emergency level.  
  
              <error>—Error level.  
  
              <info>—Informational level.  
  
              <notice>—Notice level.  
  
              <warning>—Warning level.

**<license> (configuration/system)**

---

**Usage**   <configuration>  
               <system>  
                   **<license>**  
                     <autoupdate>...</autoupdate>  
                     <renew>...</renew>  
                     <traceoptions>...</traceoptions>  
                   **</license>**  
                 </system>  
       </configuration>

**Description**   License information for the router.

**Contents**   <autoupdate>—Autoupdate license keys from license servers.

                  <renew>—License renew lead time and checking interval.

                  <traceoptions>—Trace options for licenses.

## **<linear-red-profiles> (configuration/dynamic-profiles/interfaces/interface/atm-options)**

---

**Usage**

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <atm-options>
          <linear-red-profiles>
            <name>name</name>    <!-- identifier -->
            <queue-depth>cells</queue-depth>    <!-- mandatory -->
            <high-plp-threshold>high-plp-threshold
              </high-plp-threshold>    <!-- mandatory -->
            <low-plp-threshold>low-plp-threshold
              </low-plp-threshold>    <!-- mandatory -->
            <high-plp-max-threshold>high-plp-max-threshold</high-plp-max-threshold>
            <low-plp-max-threshold>low-plp-max-threshold</low-plp-max-threshold>
          </linear-red-profiles>
        </atm-options>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

**Description** ATM2 CoS virtual circuit drop profiles.

**Contents**

- <high-plp-max-threshold>—Fill level percentage with 100 percent packet drop for high PLP.
- <high-plp-threshold>—Fill level percentage when linear RED is applied for high PLP.
- <low-plp-max-threshold>—Fill level percentage with 100 percent packet drop for low PLP.
- <low-plp-threshold>—Fill level percentage when linear RED is applied for low PLP.
- <name>—Linear RED profile name.
- <queue-depth>—Maximum queue depth.

## <linear-red-profiles> (configuration/interfaces/interface/atm-options)

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <atm-options>  
                 <linear-red-profiles>  
                   <name>name</name>   <!-- identifier -->  
                   <queue-depth>cells</queue-depth>   <!-- mandatory -->  
                   <high-plp-threshold>high-plp-threshold  
                     </high-plp-threshold>   <!-- mandatory -->  
                   <low-plp-threshold>low-plp-threshold</low-plp-threshold> <!-- mandatory -->  
                   <high-plp-max-threshold>high-plp-max-threshold</high-plp-max-threshold>  
                   <low-plp-max-threshold>low-plp-max-threshold</low-plp-max-threshold>  
                 </linear-red-profiles>  
               </atm-options>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** ATM2 CoS virtual circuit drop profiles.

**Contents** <high-plp-max-threshold>—Fill level percentage with 100 percent packet drop for high PLP.

<high-plp-threshold>—Fill level percentage when linear RED is applied for high PLP.

<low-plp-max-threshold>—Fill level percentage with 100 percent packet drop for low PLP.

<low-plp-threshold>—Fill level percentage when linear RED is applied for low PLP.

<name>—Linear RED profile name.

<queue-depth>—Maximum queue depth.

## **<link-event-rate> (configuration/logical-systems/protocols/oam/ethernet/link-fault-management/action-profile/event)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <oam>
        <ethernet>
          <link-fault-management>
            <action-profile>
              <event>
                <link-event-rate>
                  <symbol-period>error(s) per 100 symbol</symbol-period>
                  <frame-error>error(s) per second</frame-error>
                  <frame-period>error(s) per 100 frames</frame-period>
                  <frame-period-summary>error(s) per second
                    </frame-period-summary>
                </link-event-rate>
              </event>
            </action-profile>
          </link-fault-management>
        </ethernet>
      </oam>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** No documentation is available yet.

**Contents**

- <frame-error>—Rate of receiving frame error events.
- <frame-period>—Rate of receiving frame period events.
- <frame-period-summary>—Rate of receiving frame period summary events.
- <symbol-period>—Rate of receiving symbol period events.

**<link-event-rate> (configuration/protocols/oam/ethernet/  
link-fault-management/action-profile/event)**

---

**Usage**   <configuration>  
          <protocols>  
          <oam>  
          <ethernet>  
          <link-fault-management>  
          <action-profile>  
          <event>  
            **<link-event-rate>**  
              <symbol-period>error(s) per 100 symbol</symbol-period>  
              <frame-error>error(s) per second</frame-error>  
              <frame-period>error(s) per 100 frames</frame-period>  
              <frame-period-summary>error(s) per second</frame-period-summary>  
            **</link-event-rate>**  
          </event>  
          </action-profile>  
          </link-fault-management>  
          </ethernet>  
          </oam>  
          </protocols>  
          </configuration>

**Description**   No documentation is available yet.

- Contents**   <frame-error>—Rate of receiving frame error events.
- <frame-period>—Rate of receiving frame period events.
- <frame-period-summary>—Rate of receiving frame period summary events.
- <symbol-period>—Rate of receiving symbol period events.

## **<link-fault-management> (configuration/logical-systems/protocols/oam/ethernet)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;protocols&gt;       &lt;oam&gt;         &lt;ethernet&gt;           &lt;link-fault-management&gt;             &lt;traceoptions&gt;...&lt;/traceoptions&gt;             &lt;action-profile&gt;...&lt;/action-profile&gt;             &lt;interface&gt;...&lt;/interface&gt;           &lt;/link-fault-management&gt;         &lt;/ethernet&gt;       &lt;/oam&gt;     &lt;/protocols&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	802.3ah Ethernet OAM configuration.
<b>Contents</b>	<p>&lt;action-profile&gt;—Define an action profile.</p> <p>&lt;interface&gt;—Interface on which to set Ethernet OAM parameters.</p> <p>&lt;traceoptions&gt;—Trace options for link-fault management.</p>

## **<link-fault-management> (configuration/protocols/oam/ethernet)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;oam&gt;       &lt;ethernet&gt;         &lt;link-fault-management&gt;           &lt;traceoptions&gt;...&lt;/traceoptions&gt;           &lt;action-profile&gt;...&lt;/action-profile&gt;           &lt;interface&gt;...&lt;/interface&gt;         &lt;/link-fault-management&gt;       &lt;/ethernet&gt;     &lt;/oam&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	802.3ah Ethernet OAM configuration.
<b>Contents</b>	<p>&lt;action-profile&gt;—Define an action profile.</p> <p>&lt;interface&gt;—Interface on which to set Ethernet OAM parameters.</p> <p>&lt;traceoptions&gt;—Trace options for link-fault management.</p>



**<link-management> (configuration/logical-systems/protocols)**

---

- Usage** <configuration>  
           <logical-systems>  
           <protocols>  
             **<link-management>**  
               <te-link>...</te-link>  
               <peer>...</peer>  
               <traceoptions>...</traceoptions>  
             **</link-management>**  
           </protocols>  
         </logical-systems>  
       </configuration>
- Description** LMP options.
- Contents** <peer>—Define a network or LMP peer.  
               <te-link>—Traffic engineering link.  
               <traceoptions>—LMP trace options.

**<link-management> (configuration/protocols)**

---

- Usage** <configuration>  
           <protocols>  
             **<link-management>**  
               <te-link>...</te-link>  
               <peer>...</peer>  
               <traceoptions>...</traceoptions>  
             **</link-management>**  
           </protocols>  
       </configuration>
- Description** LMP options.
- Contents** <peer>—Define a network or LMP peer.  
               <te-link>—Traffic engineering link.  
               <traceoptions>—LMP trace options.

## **<link-protection> (configuration/chassis/aggregated-devices/ethernet/lacp)**

---

**Usage** <configuration>  
           <chassis>  
             <aggregated-devices>  
               <ethernet>  
                 <lacp>  
                   **<link-protection>**  
                     <non-revertive/>  
                   **</link-protection>**  
                 </lacp>  
               </ethernet>  
             </aggregated-devices>  
           </chassis>  
         </configuration>

**Description** No documentation is available yet.

**Contents** <non-revertive>—Don't revert links when better priority link comes up.

## **<link-protection> (configuration/dynamic-profiles/interfaces/interface/aggregated-ether-options/lacp)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
             <interfaces>  
               <interface>  
                 <aggregated-ether-options>  
                   <lacp>  
                     **<link-protection>**  
                       <disable/>  
                       <revertive/>  
                       <non-revertive/>  
                     **</link-protection>**  
                   </lacp>  
                 </aggregated-ether-options>  
               </interface>  
             </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description** No documentation is available yet.

**Contents** <disable>—To turn off LACP link-protection.

<non-revertive>—Do not switch links when better priority link comes up.

<revertive>—Switch links when better priority link comes up.

## **<link-protection> (configuration/interfaces/interface/ aggregated-ether-options/lacp)**

---

**Usage**   <configuration>  
               <interfaces>  
               <interface>  
               <aggregated-ether-options>  
               <lacp>  
                   **<link-protection>**  
                   <disable/>  
                   <revertive/>  
                   <non-revertive/>  
                   **</link-protection>**  
               </lacp>  
               </aggregated-ether-options>  
               </interface>  
               </interfaces>  
               </configuration>

**Description**   No documentation is available yet.

**Contents**   <disable>—To turn off LACP link-protection.

              <non-revertive>—Do not switch links when better priority link comes up.

              <revertive>—Switch links when better priority link comes up.

## <link-protection> (configuration/logical-systems/protocols/rsvp/interface)

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <rsvp>
        <interface>
          <link-protection>
            <disable/>
            <bandwidth>...</bandwidth>
            <max-bypasses>max-bypasses</max-bypasses>
            <subscription>subscription</subscription>
            <no-node-protection/>
            <optimize-timer>seconds</optimize-timer>
            <class-of-service>class-of-service</class-of-service>
            <hop-limit>hop-limit</hop-limit>
            <no-cspf/>
            <setup-priority>setup-priority</setup-priority>
            <reservation-priority>reservation-priority</reservation-priority>
            <path>...</path>
            <admin-group>...</admin-group>
            <bypass>...</bypass>
          </link-protection>
        </interface>
      </rsvp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Protect traffic with a label-stacked LSP.

**Contents**

- <admin-group>—Administrative group policy.
- <bandwidth>—Bandwidth for each bypass.
- <bypass>—Bypass with specific constraints.
- <class-of-service>—Class of service for the bypass LSP.
- <disable>—Disable link protection on this interface.
- <hop-limit>—Maximum allowed router hops for bypass.
- <max-bypasses>—Max number of bypasses permitted for protecting this interface.
- <no-cspf>—Disable automatic path computation.
- <no-node-protection>—Disallow node protection on this interface.
- <optimize-timer>—Interval between bypass reoptimizations.

<path>—Explicit route of bypass path.

<reservation-priority>—Reservation priority.

<setup-priority>—Set-up priority.

<subscription>—Percent of bandwidth guaranteed when admitting protected LSPs into bypasses.

**<link-protection> (configuration/protocols/rsvp/interface)**

---

**Usage** <configuration>  
           <protocols>  
             <rsvp>  
               <interface>  
                 **<link-protection>**  
                   <disable/>  
                   <bandwidth>...</bandwidth>  
                   <max-bypasses>*max-bypasses*</max-bypasses>  
                   <subscription>*subscription*</subscription>  
                   <no-node-protection/>  
                   <optimize-timer>*seconds*</optimize-timer>  
                   <class-of-service>*class-of-service*</class-of-service>  
                   <hop-limit>*hop-limit*</hop-limit>  
                   <no-cspf/>  
                   <setup-priority>*setup-priority*</setup-priority>  
                   <reservation-priority>*reservation-priority*</reservation-priority>  
                   <path>...</path>  
                   <admin-group>...</admin-group>  
                   <bypass>...</bypass>  
                 **</link-protection>**  
               </interface>  
             </rsvp>  
           </protocols>  
         </configuration>

**Description** Protect traffic with a label-stacked LSP.

**Contents** <admin-group>—Administrative group policy.

<bandwidth>—Bandwidth for each bypass.

<bypass>—Bypass with specific constraints.

<class-of-service>—Class of service for the bypass LSP.

<disable>—Disable link protection on this interface.

<hop-limit>—Maximum allowed router hops for bypass.

<max-bypasses>—Max number of bypasses permitted for protecting this interface.

<no-cspf>—Disable automatic path computation.

<no-node-protection>—Disallow node protection on this interface.

<optimize-timer>—Interval between bypass reoptimizations.

<path>—Explicit route of bypass path.

- <reservation-priority>—Reservation priority.
- <setup-priority>—Set-up priority.
- <subscription>—Percent of bandwidth guaranteed when admitting protected LSPs into bypasses.

**<linktrace> (configuration/logical-systems/protocols/oam/ethernet/connectivity-fault-management)**

---

**Usage** <configuration>  
    <logical-systems>  
        <protocols>  
            <oam>  
                <ethernet>  
                    <connectivity-fault-management>  
                        **<linktrace>**  
                            <path-database-size>*path-database-size*</path-database-size>  
                            <age>*age-choice*</age>  
                        **</linktrace>**  
                    </connectivity-fault-management>  
                </ethernet>  
            </oam>  
        </protocols>  
    </logical-systems>  
</configuration>

**Description** Linktrace protocol global options.

- Contents** <age>—Time after which a stale request-response entry is deleted.
- 10m—No documentation is available yet.
  - 10s—No documentation is available yet.
  - 1m—No documentation is available yet.
  - 30m—No documentation is available yet.
  - 30s—No documentation is available yet.
- <path-database-size>—Number of linktrace reply entries to be stored per linktrace request.

## **<linktrace> (configuration/protocols/oam/ethernet/connectivity-fault-management)**

---

**Usage**   <configuration>  
           <protocols>  
           <oam>  
           <ethernet>  
           <connectivity-fault-management>  
           **<linktrace>**  
             <path-database-size>path-database-size</path-database-size>  
             <age>age-choice</age>  
           **</linktrace>**  
           </connectivity-fault-management>  
           </ethernet>  
           </oam>  
           </protocols>  
         </configuration>

**Description**   Linktrace protocol global options.

**Contents**   <age>—Time after which a stale request-response entry is deleted.

- 10m—No documentation is available yet.
- 10s—No documentation is available yet.
- 1m—No documentation is available yet.
- 30m—No documentation is available yet.
- 30s—No documentation is available yet.

<path-database-size>—Number of linktrace reply entries to be stored per linktrace request.



**<listen> (configuration/logical-systems/protocols/sap)**

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <sap>  
                 **<listen>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <port>*port*</port>  
                 **</listen>**  
               </sap>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** Address for SAP and SDP to listen on.

**Contents** <name>—IP address.  
               <port>—Port to listen for session advertisements.

**<listen> (configuration/protocols/sap)**

---

**Usage** <configuration>  
           <protocols>  
             <sap>  
               **<listen>**  
                 <name>*name*</name>   <!-- identifier -->  
                 <port>*port*</port>  
               **</listen>**  
             </sap>  
           </protocols>  
         </configuration>

**Description** Address for SAP and SDP to listen on.

**Contents** <name>—IP address.  
               <port>—Port to listen for session advertisements.

**<lmi> (configuration/dynamic-profiles/interfaces/interface)**

---

**Usage** <configuration>  
 <dynamic-profiles>  
 <interfaces>  
 <interface>  
   **<lmi>**  
     <n391dte>n391dte</n391dte>  
     <n392dce>n392dce</n392dce>  
     <n392dte>n392dte</n392dte>  
     <n393dce>n393dce</n393dce>  
     <n393dte>n393dte</n393dte>  
     <t391dte>seconds</t391dte>  
     <t392dce>seconds</t392dce>  
     <lmi-type>lmi-type-choice</lmi-type>  
   **</lmi>**  
 </interface>  
</interfaces>  
</dynamic-profiles>  
</configuration>

**Description** Local Management Interface settings.

**Contents** <lmi-type>—Specify the Frame Relay LMI type.

- ansi—Use ANSI Annex D LMI.
- itu—Use ITU Q933a Annex A LMI.

<n391dte>—DTE full status polling interval.

<n392dce>—DCE error threshold.

<n392dte>—DTE error threshold.

<n393dce>—DCE monitored event count.

<n393dte>—DTE monitored event count.

<t391dte>—DTE polling timer.

<t392dce>—DCE polling verification timer.

**<lmi> (configuration/interfaces/interface)**

---

**Usage**   <configuration>  
           <interfaces>  
           <interface>  
           **<lmi>**  
             <n391dte>n391dte</n391dte>  
             <n392dce>n392dce</n392dce>  
             <n392dte>n392dte</n392dte>  
             <n393dce>n393dce</n393dce>  
             <n393dte>n393dte</n393dte>  
             <t391dte>seconds</t391dte>  
             <t392dce>seconds</t392dce>  
             <lmi-type>lmi-type-choice</lmi-type>  
           **</lmi>**  
           </interface>  
         </interfaces>  
       </configuration>

**Description**   Local Management Interface settings.

**Contents**   <lmi-type>—Specify the Frame Relay LMI type.

- ansi—Use ANSI Annex D LMI.
- itu—Use ITU Q933a Annex A LMI.

<n391dte>—DTE full status polling interval.

<n392dce>—DCE error threshold.

<n392dte>—DTE error threshold.

<n393dce>—DCE monitored event count.

<n393dte>—DTE monitored event count.

<t391dte>—DTE polling timer.

<t392dce>—DCE polling verification timer.

## **<imp-control-channel> (configuration/logical-systems/protocols/link-management/peer)**

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <link-management>  
                 <peer>  
                   **<imp-control-channel>**  
                     <name>*name*</name>   <!-- identifier -->  
                     <remote-address>*remote-address*</remote-address>  
                   **</imp-control-channel>**  
                 </peer>  
               </link-management>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** Control channel IDs.

**Contents** <name>—Control channel interface.

<remote-address>—Control channel remote address.

## **<imp-control-channel> (configuration/protocols/link-management/peer)**

---

**Usage** <configuration>  
           <protocols>  
             <link-management>  
               <peer>  
                 **<imp-control-channel>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <remote-address>*remote-address*</remote-address>  
                 **</imp-control-channel>**  
               </peer>  
             </link-management>  
           </protocols>  
         </configuration>

**Description** Control channel IDs.

**Contents** <name>—Control channel interface.

<remote-address>—Control channel remote address.

**<Imp-protocol> (configuration/logical-systems/protocols/link-management/peer)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;protocols&gt;       &lt;link-management&gt;         &lt;peer&gt;           &lt;Imp-protocol&gt;             &lt;hello-interval&gt;milliseconds&lt;/hello-interval&gt;             &lt;hello-dead-interval&gt;milliseconds&lt;/hello-dead-interval&gt;             &lt;retransmission-interval&gt;milliseconds&lt;/retransmission-interval&gt;             &lt;retry-limit&gt;retry-limit&lt;/retry-limit&gt;             &lt;passive/&gt;           &lt;/Imp-protocol&gt;         &lt;/peer&gt;       &lt;/link-management&gt;     &lt;/protocols&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	LMP protocol attributes.
<b>Contents</b>	<p>&lt;hello-dead-interval&gt;—Delay for control channel shutdown when no Hello received.</p> <p>&lt;hello-interval&gt;—Interval between Hello messages.</p> <p>&lt;passive&gt;—Do not send Config messages to peer.</p> <p>&lt;retransmission-interval&gt;—Minimum time before retransmitting a message.</p> <p>&lt;retry-limit&gt;—Number of times to retransmit a message.</p>

**<Imp-protocol> (configuration/protocols/link-management/peer)**

---

**Usage** <configuration>  
           <protocols>  
             <link-management>  
               <peer>  
                 **<Imp-protocol>**  
                   <hello-interval>*milliseconds*</hello-interval>  
                   <hello-dead-interval>*milliseconds*</hello-dead-interval>  
                   <retransmission-interval>*milliseconds*</retransmission-interval>  
                   <retry-limit>*retry-limit*</retry-limit>  
                   <passive/>  
                 **</Imp-protocol>**  
               </peer>  
             </link-management>  
           </protocols>  
         </configuration>

**Description** LMP protocol attributes.

**Contents** <hello-dead-interval>—Delay for control channel shutdown when no Hello received.

<hello-interval>—Interval between Hello messages.

<passive>—Do not send Config messages to peer.

<retransmission-interval>—Minimum time before retransmitting a message.

<retry-limit>—Number of times to retransmit a message.

**<lns-server> (configuration/services/ggsn/apn/l2tp)**

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               <apn>  
                 <l2tp>  
                   **<lns-server>**  
                     <name>*name*</name>   <!-- identifier -->  
                     <use-default-port/>  
                     <port>*port*</port>  
                   **</lns-server>**  
                 </l2tp>  
               </apn>  
             </ggsn>  
           </services>  
         </configuration>

**Description** L2TP network server.

**Contents** <name>—L2TP network server address.  
               <port>—L2TP network server destination port.  
               <use-default-port>—Use default port.

**<load-balance> (configuration/forwarding-options)**

---

**Usage** <configuration>  
           <forwarding-options>  
             **<load-balance>**  
               <indexed-next-hop/>  
               <per-flow>...</per-flow>  
               <per-prefix>...</per-prefix>  
             **</load-balance>**  
           </forwarding-options>  
         </configuration>

**Description** Configure load-balancing attributes on the forwarding path.

**Contents** <indexed-next-hop>—Use indexed permuted next hop lists for unilist and aggregate next hops.  
               <per-flow>—No documentation is available yet.  
               <per-prefix>—No documentation is available yet.

## **<load-balance> (configuration/logical-systems/policy-options/policy-statement/from/prefix-list-filter)**

---

**Usage** <configuration>  
           <logical-systems>  
           <policy-options>  
           <policy-statement>  
           <from>  
           <prefix-list-filter>  
           **<load-balance>**  
           <per-packet/>  
           **</load-balance>**  
           </prefix-list-filter>  
           </from>  
           </policy-statement>  
           </policy-options>  
           </logical-systems>  
         </configuration>

**Description** Type of load balancing in forwarding table.

**Contents** <per-packet>—Load balance on a per-packet basis.

## **<load-balance> (configuration/logical-systems/policy-options/policy-statement/from/route-filter)**

---

**Usage** <configuration>  
           <logical-systems>  
           <policy-options>  
           <policy-statement>  
           <from>  
           <route-filter>  
           **<load-balance>**  
           <per-packet/>  
           **</load-balance>**  
           </route-filter>  
           </from>  
           </policy-statement>  
           </policy-options>  
           </logical-systems>  
         </configuration>

**Description** Type of load balancing in forwarding table.

**Contents** <per-packet>—Load balance on a per-packet basis.



### **<load-balance> (configuration/logical-systems/policy-options/policy-statement/from/source-address-filter)**

---

**Usage** <configuration>  
           <logical-systems>  
           <policy-options>  
           <policy-statement>  
           <from>  
           <source-address-filter>  
             **<load-balance>**  
             <per-packet/>  
             **</load-balance>**  
           </source-address-filter>  
           </from>  
           </policy-statement>  
           </policy-options>  
           </logical-systems>  
         </configuration>

**Description** Type of load balancing in forwarding table.

**Contents** <per-packet>—Load balance on a per-packet basis.

### **<load-balance> (configuration/logical-systems/policy-options/policy-statement/term/from/prefix-list-filter)**

---

**Usage** <configuration>  
           <logical-systems>  
           <policy-options>  
           <policy-statement>  
           <term>  
           <from>  
           <prefix-list-filter>  
             **<load-balance>**  
             <per-packet/>  
             **</load-balance>**  
           </prefix-list-filter>  
           </from>  
           </term>  
           </policy-statement>  
           </policy-options>  
           </logical-systems>  
         </configuration>

**Description** Type of load balancing in forwarding table.

**Contents** <per-packet>—Load balance on a per-packet basis.

## **<load-balance> (configuration/logical-systems/policy-options/policy-statement/term/from/route-filter)**

---

**Usage** <configuration>  
           <logical-systems>  
           <policy-options>  
           <policy-statement>  
           <term>  
           <from>  
           <route-filter>  
             **<load-balance>**  
             <per-packet/>  
             **</load-balance>**  
           </route-filter>  
           </from>  
           </term>  
           </policy-statement>  
           </policy-options>  
           </logical-systems>  
         </configuration>

**Description** Type of load balancing in forwarding table.

**Contents** <per-packet>—Load balance on a per-packet basis.

## **<load-balance> (configuration/logical-systems/policy-options/policy-statement/term/from/source-address-filter)**

---

**Usage** <configuration>  
           <logical-systems>  
           <policy-options>  
           <policy-statement>  
           <term>  
           <from>  
           <source-address-filter>  
             **<load-balance>**  
             <per-packet/>  
             **</load-balance>**  
           </source-address-filter>  
           </from>  
           </term>  
           </policy-statement>  
           </policy-options>  
           </logical-systems>  
         </configuration>

**Description** Type of load balancing in forwarding table.

**Contents** <per-packet>—Load balance on a per-packet basis.

**<load-balance> (configuration/logical-systems/policy-options/  
policy-statement/term/then)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <policy-options>  
          <policy-statement>  
          <term>  
          <then>  
            **<load-balance>**  
            <per-packet/>  
            **</load-balance>**  
          </then>  
          </term>  
          </policy-statement>  
          </policy-options>  
          </logical-systems>  
          </configuration>

**Description**   Type of load balancing in forwarding table.

**Contents**    <per-packet>—Load balance on a per-packet basis.

**<load-balance> (configuration/logical-systems/policy-options/  
policy-statement/then)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <policy-options>  
          <policy-statement>  
          <then>  
            **<load-balance>**  
            <per-packet/>  
            **</load-balance>**  
          </then>  
          </policy-statement>  
          </policy-options>  
          </logical-systems>  
          </configuration>

**Description**   Type of load balancing in forwarding table.

**Contents**    <per-packet>—Load balance on a per-packet basis.

**<load-balance> (configuration/logical-systems/protocols/rsvp)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <rsvp>  
             **<load-balance>**  
               <bandwidth/>  
             **</load-balance>**  
           </rsvp>  
         </protocols>  
       </logical-systems>  
     </configuration>

**Description** Per-packet load-balancing algorithm.

**Contents** <bandwidth>—Per-packet load balancing proportional to LSP bandwidth.

**<load-balance> (configuration/logical-systems/routing-instances/instance/forwarding-options)**

---

**Usage** <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <forwarding-options>  
             **<load-balance>**  
               <indexed-next-hop/>  
               <per-flow>...</per-flow>  
               <per-prefix>...</per-prefix>  
             **</load-balance>**  
           </forwarding-options>  
         </instance>  
       </routing-instances>  
     </logical-systems>  
   </configuration>

**Description** Configure load-balancing attributes on the forwarding path.

**Contents** <indexed-next-hop>—Use indexed permuted next hop lists for unicast and aggregate next hops.

<per-flow>—No documentation is available yet.

<per-prefix>—No documentation is available yet.

**<load-balance> (configuration/policy-options/policy-statement/  
from/prefix-list-filter)**

---

**Usage**   <configuration>  
          <policy-options>  
          <policy-statement>  
          <from>  
          <prefix-list-filter>  
          **<load-balance>**  
          <per-packet/>  
          **</load-balance>**  
          </prefix-list-filter>  
          </from>  
          </policy-statement>  
          </policy-options>  
          </configuration>

**Description**   Type of load balancing in forwarding table.

**Contents**    <per-packet>—Load balance on a per-packet basis.

**<load-balance> (configuration/policy-options/policy-statement/  
from/route-filter)**

---

**Usage**   <configuration>  
          <policy-options>  
          <policy-statement>  
          <from>  
          <route-filter>  
          **<load-balance>**  
          <per-packet/>  
          **</load-balance>**  
          </route-filter>  
          </from>  
          </policy-statement>  
          </policy-options>  
          </configuration>

**Description**   Type of load balancing in forwarding table.

**Contents**    <per-packet>—Load balance on a per-packet basis.

## **<load-balance> (configuration/policy-options/policy-statement/ from/source-address-filter)**

---

**Usage** <configuration>  
           <policy-options>  
             <policy-statement>  
               <from>  
                 <source-address-filter>  
                   **<load-balance>**  
                     <per-packet/>  
                   **</load-balance>**  
                 </source-address-filter>  
               </from>  
             </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Type of load balancing in forwarding table.

**Contents** <per-packet>—Load balance on a per-packet basis.

## **<load-balance> (configuration/policy-options/policy-statement/ term/from/prefix-list-filter)**

---

**Usage** <configuration>  
           <policy-options>  
             <policy-statement>  
               <term>  
                 <from>  
                   <prefix-list-filter>  
                     **<load-balance>**  
                       <per-packet/>  
                     **</load-balance>**  
                   </prefix-list-filter>  
                 </from>  
               </term>  
             </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Type of load balancing in forwarding table.

**Contents** <per-packet>—Load balance on a per-packet basis.

## **<load-balance> (configuration/policy-options/policy-statement/term/from/route-filter)**

---

**Usage** <configuration>  
           <policy-options>  
             <policy-statement>  
               <term>  
                 <from>  
                   <route-filter>  
                     **<load-balance>**  
                       <per-packet/>  
                     **</load-balance>**  
                   </route-filter>  
                 </from>  
               </term>  
             </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Type of load balancing in forwarding table.

**Contents** <per-packet>—Load balance on a per-packet basis.

## **<load-balance> (configuration/policy-options/policy-statement/term/from/source-address-filter)**

---

**Usage** <configuration>  
           <policy-options>  
             <policy-statement>  
               <term>  
                 <from>  
                   <source-address-filter>  
                     **<load-balance>**  
                       <per-packet/>  
                     **</load-balance>**  
                   </source-address-filter>  
                 </from>  
               </term>  
             </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Type of load balancing in forwarding table.

**Contents** <per-packet>—Load balance on a per-packet basis.

## **<load-balance> (configuration/policy-options/policy-statement/term/then)**

---

**Usage**   <configuration>  
           <policy-options>  
           <policy-statement>  
           <term>  
           <then>  
               **<load-balance>**  
               <per-packet/>  
               **</load-balance>**  
           </then>  
           </term>  
           </policy-statement>  
           </policy-options>  
         </configuration>

**Description**   Type of load balancing in forwarding table.

**Contents**    <per-packet>—Load balance on a per-packet basis.

## **<load-balance> (configuration/policy-options/policy-statement/then)**

---

**Usage**   <configuration>  
           <policy-options>  
           <policy-statement>  
           <then>  
               **<load-balance>**  
               <per-packet/>  
               **</load-balance>**  
           </then>  
           </policy-statement>  
           </policy-options>  
         </configuration>

**Description**   Type of load balancing in forwarding table.

**Contents**    <per-packet>—Load balance on a per-packet basis.



**<load-balance> (configuration/protocols/rsvp)**

---

- Usage** <configuration>  
           <protocols>  
           <rsvp>  
             **<load-balance>**  
               <bandwidth/>  
             **</load-balance>**  
           </rsvp>  
         </protocols>  
       </configuration>
- Description** Per-packet load-balancing algorithm.
- Contents** <bandwidth>—Per-packet load balancing proportional to LSP bandwidth.

**<load-balance> (configuration/routing-instances/instance/forwarding-options)**

---

- Usage** <configuration>  
           <routing-instances>  
           <instance>  
             <forwarding-options>  
               **<load-balance>**  
                 <indexed-next-hop/>  
                 <per-flow>...</per-flow>  
                 <per-prefix>...</per-prefix>  
               **</load-balance>**  
             </forwarding-options>  
           </instance>  
         </routing-instances>  
       </configuration>
- Description** Configure load-balancing attributes on the forwarding path.
- Contents** <indexed-next-hop>—Use indexed permuted next hop lists for unilist and aggregate next hops.
- <per-flow>—No documentation is available yet.
- <per-prefix>—No documentation is available yet.

## <load-balance-group> (configuration/firewall)

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;firewall&gt;     &lt;load-balance-group&gt;       &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;       &lt;next-hop-group&gt;...&lt;/next-hop-group&gt;     &lt;/load-balance-group&gt;   &lt;/firewall&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Load-balance group definition.
<b>Contents</b>	<p>&lt;name&gt;—Load balance group name.</p> <p>&lt;next-hop-group&gt;—Use specified next-hop group.</p>

## <load-balance-group> (configuration/logical-systems/firewall)

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;firewall&gt;       &lt;load-balance-group&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;next-hop-group&gt;...&lt;/next-hop-group&gt;       &lt;/load-balance-group&gt;     &lt;/firewall&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Load-balance group definition.
<b>Contents</b>	<p>&lt;name&gt;—Load balance group name.</p> <p>&lt;next-hop-group&gt;—Use specified next-hop group.</p>

**<load-update-test> (configuration)**

---

**Usage**   <configuration>  
          **<load-update-test>**  
          <long-ctn>...</long-ctn>  
          <ord-ctn>...</ord-ctn>  
          <ord-ctn-set-of-string>...</ord-ctn-set-of-string>  
          <bas-ctn>...</bas-ctn>  
          <mult-ctn>...</mult-ctn>  
          **</load-update-test>**  
          </configuration>

**Description**   No documentation is available yet.

**Contents**   <bas-ctn>—No documentation is available yet.  
  
              <long-ctn>—No documentation is available yet.  
  
              <mult-ctn>—No documentation is available yet.  
  
              <ord-ctn>—No documentation is available yet.  
  
              <ord-ctn-set-of-string>—Should be same as ord-ctn.

**<local> (configuration/logical-systems/protocols/pim/rp)**

---

**Usage** <configuration>  
 <logical-systems>  
 <protocols>  
 <pim>  
 <rp>  
   **<local>**  
     <address>address</address>  
     <disable/>  
     <priority>priority</priority>  
     <hold-time>hold-time</hold-time>  
     <group-ranges>...</group-ranges>  
     <family>...</family>  
   **</local>**  
 </rp>  
 </pim>  
 </protocols>  
 </logical-systems>  
 </configuration>

**Description** Router's local RP properties.

**Contents** <address>—Local RP address (IPv4 only).  
 <disable>—Disable this RP (IPv4 only).  
 <family>—Local RP address family.  
 <group-ranges>—Group address range for which this router can be an RP (IPv4 only).  
 <hold-time>—How long neighbor considers this router to be up, in seconds (IPv4 only).  
 <priority>—Router's priority for becoming an RP (IPv4 only).

## **<local> (configuration/logical-systems/routing-instances/instance/protocols/pim/rp)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <routing-instances>  
               <instance>  
               <protocols>  
               <pim>  
               <rp>  
                   **<local>**  
                     <address>address</address>  
                     <disable/>  
                     <priority>priority</priority>  
                     <hold-time>hold-time</hold-time>  
                     <group-ranges>...</group-ranges>  
                     <family>...</family>  
                   **</local>**  
               </rp>  
               </pim>  
               </protocols>  
               </instance>  
               </routing-instances>  
               </logical-systems>  
               </configuration>

**Description**   Router's local RP properties.

**Contents**   <address>—Local RP address (IPv4 only).

              <disable>—Disable this RP (IPv4 only).

              <family>—Local RP address family.

              <group-ranges>—Group address range for which this router can be an RP (IPv4 only).

              <hold-time>—How long neighbor considers this router to be up, in seconds (IPv4 only).

              <priority>—Router's priority for becoming an RP (IPv4 only).

**<local> (configuration/protocols/pim/rp)**

---

**Usage** <configuration>  
 <protocols>  
 <pim>  
 <rp>  
   **<local>**  
     <address>address</address>  
     <disable/>  
     <priority>priority</priority>  
     <hold-time>hold-time</hold-time>  
     <group-ranges>...</group-ranges>  
     <family>...</family>  
   **</local>**  
 </rp>  
 </pim>  
 </protocols>  
 </configuration>

**Description** Router's local RP properties.

**Contents** <address>—Local RP address (IPv4 only).  
 <disable>—Disable this RP (IPv4 only).  
 <family>—Local RP address family.  
 <group-ranges>—Group address range for which this router can be an RP (IPv4 only).  
 <hold-time>—How long neighbor considers this router to be up, in seconds (IPv4 only).  
 <priority>—Router's priority for becoming an RP (IPv4 only).

## **<local> (configuration/routing-instances/instance/protocols/pim/rp)**

---

**Usage**   <configuration>  
               <routing-instances>  
                   <instance>  
                       <protocols>  
                           <pim>  
                               <rp>  
                                   **<local>**  
                                       <address>address</address>  
                                       <disable/>  
                                       <priority>priority</priority>  
                                       <hold-time>hold-time</hold-time>  
                                       <group-ranges>...</group-ranges>  
                                       <family>...</family>  
                                   **</local>**  
                               </rp>  
                           </pim>  
                       </protocols>  
                   </instance>  
               </routing-instances>  
           </configuration>

**Description**   Router's local RP properties.

**Contents**   <address>—Local RP address (IPv4 only).  
               <disable>—Disable this RP (IPv4 only).  
               <family>—Local RP address family.  
               <group-ranges>—Group address range for which this router can be an RP (IPv4 only).  
               <hold-time>—How long neighbor considers this router to be up, in seconds (IPv4 only).  
               <priority>—Router's priority for becoming an RP (IPv4 only).

**<local> (configuration/security/certificates)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;security&gt;     &lt;certificates&gt;       &lt;local&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;certificate&gt;certificate&lt;/certificate&gt;       &lt;/local&gt;     &lt;/certificates&gt;   &lt;/security&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Local X.509 certificate configuration.
<b>Contents</b>	<p>&lt;certificate&gt;—Certificate and private key string.</p> <p>&lt;name&gt;—Simple name to identify this certificate.</p>

**<local-as> (configuration/logical-systems/protocols/bgp)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;protocols&gt;       &lt;bgp&gt;         &lt;local-as&gt;           &lt;as-number&gt;as-number&lt;/as-number&gt;    &lt;!-- mandatory --&gt;           &lt;loops&gt;loops&lt;/loops&gt;           &lt;private/&gt;         &lt;/local-as&gt;       &lt;/bgp&gt;     &lt;/protocols&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Local autonomous system number.
<b>Contents</b>	<p>&lt;as-number&gt;— Autonomous system number in plain number or 'higher 16bits'. 'Lower 16 bits' (asdot notation) format.</p> <p>&lt;loops&gt;—Maximum number of times this AS can be in an AS path.</p> <p>&lt;private&gt;—Hide this local AS in paths learned from this peering.</p>



**<local-as> (configuration/logical-systems/protocols/bgp/group)**

---

**Usage**   <configuration>  
               <logical-systems>  
                   <protocols>  
                       <bgp>  
                         <group>  
                           **<local-as>**  
                               <as-number>*as-number*</as-number>   <!-- mandatory -->  
                               <loops>*loops*</loops>  
                               <private/>  
                           **</local-as>**  
                         </group>  
                       </bgp>  
                   </protocols>  
               </logical-systems>  
           </configuration>

**Description**   Local autonomous system number.

**Contents**   <as-number>— Autonomous system number in plain number or 'higher 16bits'. 'Lower 16 bits' (asdot notation) format.

              <loops>—Maximum number of times this AS can be in an AS path.

              <private>—Hide this local AS in paths learned from this peering.

## **<local-as> (configuration/logical-systems/protocols/bgp/group/neighbor)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <group>  
          <neighbor>  
            **<local-as>**  
              <as-number>*as-number*</as-number>   <!-- mandatory -->  
              <loops>*loops*</loops>  
              <private/>  
              **</local-as>**  
            </neighbor>  
          </group>  
        </bgp>  
      </protocols>  
    </logical-systems>  
  </configuration>

**Description**   Local autonomous system number.

**Contents**   <as-number>— Autonomous system number in plain number or 'higher 16bits'. 'Lower 16 bits' (asdot notation) format.

              <loops>—Maximum number of times this AS can be in an AS path.

              <private>—Hide this local AS in paths learned from this peering.

## **<local-as> (configuration/logical-systems/routing-instances/instance/protocols/bgp)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <routing-instances>  
               <instance>  
               <protocols>  
               <bgp>  
               **<local-as>**  
                   <as-number>*as-number*</as-number>   <!-- mandatory -->  
                   <loops>*loops*</loops>  
                   <private/>  
               **</local-as>**  
               </bgp>  
               </protocols>  
               </instance>  
               </routing-instances>  
               </logical-systems>  
               </configuration>

**Description**   Local autonomous system number.

**Contents**   <as-number>— Autonomous system number in plain number or 'higher 16bits'. 'Lower 16 bits' (asdot notation) format.

              <loops>—Maximum number of times this AS can be in an AS path.

              <private>—Hide this local AS in paths learned from this peering.

## **<local-as> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <local-as>
                <as-number>as-number</as-number>    <!-- mandatory -->
                <loops>loops</loops>
                <private/>
              </local-as>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Local autonomous system number.

**Contents**

- <as-number>—Autonomous system number in plain number or 'higher 16bits'. 'Lower 16 bits' (asdot notation) format.
- <loops>—Maximum number of times this AS can be in an AS path.
- <private>—Hide this local AS in paths learned from this peering.

## **<local-as> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/neighbor)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <routing-instances>  
               <instance>  
               <protocols>  
               <bgp>  
               <group>  
               <neighbor>  
                   **<local-as>**  
                     <as-number>*as-number*</as-number>   <!-- mandatory -->  
                     <loops>*loops*</loops>  
                     <private/>  
                   **</local-as>**  
               </neighbor>  
               </group>  
               </bgp>  
               </protocols>  
               </instance>  
               </routing-instances>  
               </logical-systems>  
               </configuration>

**Description**   Local autonomous system number.

**Contents**   <as-number>— Autonomous system number in plain number or 'higher 16bits'. 'Lower 16 bits' (asdot notation) format.

              <loops>—Maximum number of times this AS can be in an AS path.

              <private>—Hide this local AS in paths learned from this peering.

**<local-as> (configuration/protocols/bgp)**

---

**Usage** <configuration>  
 <protocols>  
 <bgp>  
   **<local-as>**  
     <as-number>*as-number*</as-number>   <!-- mandatory -->  
     <loops>*loops*</loops>  
     <private/>  
   **</local-as>**  
 </bgp>  
 </protocols>  
 </configuration>

**Description** Local autonomous system number.

**Contents** <as-number>— Autonomous system number in plain number or 'higher 16bits'. 'Lower 16 bits' (asdot notation) format.

<loops>—Maximum number of times this AS can be in an AS path.

<private>—Hide this local AS in paths learned from this peering.

**<local-as> (configuration/protocols/bgp/group)**

---

**Usage** <configuration>  
 <protocols>  
 <bgp>  
   <group>  
     **<local-as>**  
       <as-number>*as-number*</as-number>   <!-- mandatory -->  
       <loops>*loops*</loops>  
       <private/>  
     **</local-as>**  
   </group>  
 </bgp>  
 </protocols>  
 </configuration>

**Description** Local autonomous system number.

**Contents** <as-number>— Autonomous system number in plain number or 'higher 16bits'. 'Lower 16 bits' (asdot notation) format.

<loops>—Maximum number of times this AS can be in an AS path.

<private>—Hide this local AS in paths learned from this peering.

**<local-as> (configuration/protocols/bgp/group/neighbor)**

---

**Usage** <configuration>  
 <protocols>  
 <bgp>  
 <group>  
 <neighbor>  
   **<local-as>**  
     <as-number>*as-number*</as-number>   <!-- mandatory -->  
     <loops>*loops*</loops>  
     <private/>  
   **</local-as>**  
 </neighbor>  
</group>  
</bgp>  
</protocols>  
</configuration>

**Description** Local autonomous system number.

**Contents** <as-number>— Autonomous system number in plain number or 'higher 16bits'. 'Lower 16 bits' (asdot notation) format.

<loops>—Maximum number of times this AS can be in an AS path.

<private>—Hide this local AS in paths learned from this peering.

## **<local-as> (configuration/routing-instances/instance/protocols/bgp)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
             **<local-as>**  
               <as-number>*as-number*</as-number>   <!-- mandatory -->  
               <loops>*loops*</loops>  
               <private/>  
             **</local-as>**  
           </bgp>  
         </protocols>  
       </instance>  
   </routing-instances>  
</configuration>

**Description**   Local autonomous system number.

**Contents**   <as-number>— Autonomous system number in plain number or 'higher 16bits'. 'Lower 16 bits' (asdot notation) format.

          <loops>—Maximum number of times this AS can be in an AS path.

          <private>—Hide this local AS in paths learned from this peering.



**<local-as> (configuration/routing-instances/instance/protocols/ bgp/group)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <bgp>  
          <group>  
          **<local-as>**  
            <as-number>*as-number*</as-number>   <!-- mandatory -->  
            <loops>*loops*</loops>  
            <private/>  
          **</local-as>**  
          </group>  
          </bgp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Local autonomous system number.

**Contents**   <as-number>— Autonomous system number in plain number or 'higher 16bits'. 'Lower 16 bits' (asdot notation) format.

              <loops>—Maximum number of times this AS can be in an AS path.

              <private>—Hide this local AS in paths learned from this peering.

## **<local-as> (configuration/routing-instances/instance/protocols/bgp/group/neighbor)**

---

**Usage** <configuration>  
 <routing-instances>  
 <instance>  
 <protocols>  
 <bgp>  
 <group>  
 <neighbor>  
**<local-as>**  
 <as-number>as-number</as-number> <!-- mandatory -->  
 <loops>loops</loops>  
 <private/>  
**</local-as>**  
 </neighbor>  
 </group>  
 </bgp>  
 </protocols>  
 </instance>  
 </routing-instances>  
 </configuration>

**Description** Local autonomous system number.

**Contents** <as-number>—Autonomous system number in plain number or 'higher 16bits'. 'Lower 16 bits' (asdot notation) format.

<loops>—Maximum number of times this AS can be in an AS path.

<private>—Hide this local AS in paths learned from this peering.

## **<local-engine> (configuration/snmp/v3/usm)**

---

**Usage** <configuration>  
 <snmp>  
 <v3>  
 <usm>  
**<local-engine>**  
 <user>...</user>  
**</local-engine>**  
 </usm>  
 </v3>  
 </snmp>  
 </configuration>

**Description** Local engine user configuration.

**Contents** <user>—SNMPv3 USM user information.

**<local-gateway> (configuration/services/l2tp/tunnel-group)**

---

**Usage** <configuration>  
           <services>  
             <l2tp>  
               <tunnel-group>  
                 **<local-gateway>**  
                   <address>address</address>  
                 **</local-gateway>**  
               </tunnel-group>  
             </l2tp>  
           </services>  
         </configuration>

**Description** No documentation is available yet.

**Contents** <address>—L2TP network server IP address.

**<local-gateway> (configuration/services/service-set/ipsec-vpn-options)**

---

**Usage** <configuration>  
           <services>  
             <service-set>  
               <ipsec-vpn-options>  
                 **<local-gateway>**  
                   <address>address</address>   <!-- mandatory -->  
                   <routing-instance>routing-instance</routing-instance>  
                 **</local-gateway>**  
               </ipsec-vpn-options>  
             </service-set>  
           </services>  
         </configuration>

**Description** Address and routing instance for local gateway.

**Contents** <address>—Local gateway address.

<routing-instance>—Name of routing instance that hosts local gateway.

**<local-id> (configuration/services/ipsec-vpn/ike/policy)**

---

**Usage** <configuration>  
           <services>  
             <ipsec-vpn>  
               <ike>  
                 <policy>  
                   **<local-id>**  
                     <ipv4\_addr>ipv4\_addr</ipv4\_addr>  
                     <fqdn>fqdn</fqdn>  
                     <key-id>key-id</key-id>  
                     <ipv6-addr>ipv6-addr</ipv6-addr>  
                   **</local-id>**  
                 </policy>  
               </ike>  
             </ipsec-vpn>  
           </services>  
         </configuration>

**Description** Define local identification.

**Contents** <fqdn>—One or more fully qualified domain name values.

<ipv4\_addr>—One or more IPv4 address identification values.

<ipv6-addr>—One or more IPv6 address identification values.

<key-id>—One or more key ID identification values.

**<local-log> (configuration/services/ggsn/charging/charging-log)**

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               <charging>  
                 <charging-log>  
                   **<local-log>**  
                     <force-empty-files/>  
                   **</local-log>**  
                 </charging-log>  
               </charging>  
             </ggsn>  
           </services>  
         </configuration>

**Description** CDRs meant for normal offline transfer.

**Contents** <force-empty-files>—Generate empty CDR log files if no CDRs are received.

## **<local-policy-control> (configuration/services/ggsn/rule-space)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;rule-space&gt;         &lt;local-policy-control&gt;           &lt;activation-time&gt;...&lt;/activation-time&gt;           &lt;all-time&gt;...&lt;/all-time&gt;         &lt;/local-policy-control&gt;       &lt;/rule-space&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Local policy control settings.
<b>Contents</b>	<p>&lt;activation-time&gt;—Activation time for authorization settings.</p> <p>&lt;all-time&gt;—Time-independent authorization settings.</p>

## **<local-policy-decision-function> (configuration/system/services)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;system&gt;     &lt;services&gt;       &lt;local-policy-decision-function&gt;         &lt;traceoptions&gt;...&lt;/traceoptions&gt;       &lt;/local-policy-decision-function&gt;     &lt;/services&gt;   &lt;/system&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Configuration for Local Policy Decision Function service.
<b>Contents</b>	<traceoptions>—Local Policy Decision Function trace options.

## **<local-preference> (configuration/logical-systems/ policy-options/policy-statement/from/prefix-list-filter)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <policy-options>  
          <policy-statement>  
          <from>  
          <prefix-list-filter>  
          **<local-preference>**  
          <local-preference>*local-preference*</local-preference>  
          <add>*add*</add>  
          <subtract>*subtract*</subtract>  
          **</local-preference>**  
          </prefix-list-filter>  
          </from>  
          </policy-statement>  
          </policy-options>  
          </logical-systems>  
          </configuration>

**Description**   Local preference associated with a route.

**Contents**   <add>—Add constant to attribute.

          <local-preference>—No documentation is available yet.

          <subtract>—Subtract constant from attribute.

**<local-preference> (configuration/logical-systems/  
policy-options/policy-statement/from/route-filter)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <policy-options>  
          <policy-statement>  
          <from>  
          <route-filter>  
          **<local-preference>**  
          <local-preference>*local-preference*</local-preference>  
          <add>*add*</add>  
          <subtract>*subtract*</subtract>  
          **</local-preference>**  
          </route-filter>  
          </from>  
          </policy-statement>  
          </policy-options>  
          </logical-systems>  
          </configuration>

**Description**   Local preference associated with a route.

**Contents**   <add>—Add constant to attribute.  
  
              <local-preference>—No documentation is available yet.  
  
              <subtract>—Subtract constant from attribute.

## **<local-preference> (configuration/logical-systems/ policy-options/policy-statement/from/source-address-filter)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <policy-options>  
          <policy-statement>  
          <from>  
          <source-address-filter>  
          **<local-preference>**  
            <local-preference>*local-preference*</local-preference>  
            <add>*add*</add>  
            <subtract>*subtract*</subtract>  
          **</local-preference>**  
          </source-address-filter>  
          </from>  
          </policy-statement>  
          </policy-options>  
          </logical-systems>  
          </configuration>

**Description**   Local preference associated with a route.

**Contents**   <add>—Add constant to attribute.

          <local-preference>—No documentation is available yet.

          <subtract>—Subtract constant from attribute.



**<local-preference> (configuration/logical-systems/  
policy-options/policy-statement/term/from/prefix-list-filter)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <policy-options>  
          <policy-statement>  
          <term>  
          <from>  
          <prefix-list-filter>  
          **<local-preference>**  
          <local-preference>*local-preference*</local-preference>  
          <add>*add*</add>  
          <subtract>*subtract*</subtract>  
          **</local-preference>**  
          </prefix-list-filter>  
          </from>  
          </term>  
          </policy-statement>  
          </policy-options>  
          </logical-systems>  
          </configuration>

**Description**   Local preference associated with a route.

**Contents**    <add>—Add constant to attribute.

              <local-preference>—No documentation is available yet.

              <subtract>—Subtract constant from attribute.

## **<local-preference> (configuration/logical-systems/ policy-options/policy-statement/term/from/route-filter)**

---

**Usage** <configuration>  
           <logical-systems>  
             <policy-options>  
               <policy-statement>  
                 <term>  
                   <from>  
                     <route-filter>  
                       **<local-preference>**  
                         <local-preference>*local-preference*</local-preference>  
                         <add>*add*</add>  
                         <subtract>*subtract*</subtract>  
                       **</local-preference>**  
                     </route-filter>  
                   </from>  
                 </term>  
               </policy-statement>  
             </policy-options>  
           </logical-systems>  
         </configuration>

**Description** Local preference associated with a route.

**Contents** <add>—Add constant to attribute.

<local-preference>—No documentation is available yet.

<subtract>—Subtract constant from attribute.

## **<local-preference> (configuration/logical-systems/ policy-options/policy-statement/term/from/ source-address-filter)**

---

**Usage**   <configuration>  
               <logical-systems>  
                   <policy-options>  
                     <policy-statement>  
                       <term>  
                         <from>  
                           <source-address-filter>  
                             **<local-preference>**  
                               <local-preference>*local-preference*</local-preference>  
                               <add>*add*</add>  
                               <subtract>*subtract*</subtract>  
                             **</local-preference>**  
                           </source-address-filter>  
                         </from>  
                       </term>  
                     </policy-statement>  
                   </policy-options>  
               </logical-systems>  
           </configuration>

**Description**   Local preference associated with a route.

**Contents**   <add>—Add constant to attribute.

              <local-preference>—No documentation is available yet.

              <subtract>—Subtract constant from attribute.

## **<local-preference> (configuration/logical-systems/ policy-options/policy-statement/term/then)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <policy-options>  
          <policy-statement>  
          <term>  
          <then>  
            **<local-preference>**  
              <local-preference>*local-preference*</local-preference>  
              <add>*add*</add>  
              <subtract>*subtract*</subtract>  
            **</local-preference>**  
          </then>  
          </term>  
          </policy-statement>  
          </policy-options>  
          </logical-systems>  
        </configuration>

**Description**   Local preference associated with a route.

**Contents**   <add>—Add constant to attribute.

          <local-preference>—No documentation is available yet.

          <subtract>—Subtract constant from attribute.

## **<local-preference> (configuration/logical-systems/ policy-options/policy-statement/then)**

---

**Usage** <configuration>  
     <logical-systems>  
         <policy-options>  
             <policy-statement>  
                 <then>  
                     **<local-preference>**  
                         <local-preference>*local-preference*</local-preference>  
                         <add>*add*</add>  
                         <subtract>*subtract*</subtract>  
                     **</local-preference>**  
                 </then>  
             </policy-statement>  
         </policy-options>  
     </logical-systems>  
</configuration>

**Description** Local preference associated with a route.

**Contents** <add>—Add constant to attribute.

<local-preference>—No documentation is available yet.

<subtract>—Subtract constant from attribute.

## **<local-preference> (configuration/policy-options/ policy-statement/from/prefix-list-filter)**

---

**Usage** <configuration>  
     <policy-options>  
         <policy-statement>  
             <from>  
                 <prefix-list-filter>  
                     **<local-preference>**  
                         <local-preference>*local-preference*</local-preference>  
                         <add>*add*</add>  
                         <subtract>*subtract*</subtract>  
                     **</local-preference>**  
                 </prefix-list-filter>  
             </from>  
         </policy-statement>  
     </policy-options>  
</configuration>

**Description** Local preference associated with a route.

**Contents** <add>—Add constant to attribute.

<local-preference>—No documentation is available yet.

<subtract>—Subtract constant from attribute.

## **<local-preference> (configuration/policy-options/ policy-statement/from/route-filter)**

---

**Usage** <configuration>  
     <policy-options>  
         <policy-statement>  
             <from>  
                 <route-filter>  
                     **<local-preference>**  
                         <local-preference>*local-preference*</local-preference>  
                         <add>*add*</add>  
                         <subtract>*subtract*</subtract>  
                     **</local-preference>**  
                 </route-filter>  
             </from>  
         </policy-statement>  
     </policy-options>  
 </configuration>

**Description** Local preference associated with a route.

**Contents** <add>—Add constant to attribute.

<local-preference>—No documentation is available yet.

<subtract>—Subtract constant from attribute.

## **<local-preference> (configuration/policy-options/ policy-statement/from/source-address-filter)**

---

**Usage** <configuration>  
     <policy-options>  
         <policy-statement>  
             <from>  
                 <source-address-filter>  
                     **<local-preference>**  
                         <local-preference>*local-preference*</local-preference>  
                         <add>*add*</add>  
                         <subtract>*subtract*</subtract>  
                     **</local-preference>**  
                 </source-address-filter>  
             </from>  
         </policy-statement>  
     </policy-options>  
 </configuration>

**Description** Local preference associated with a route.

**Contents** <add>—Add constant to attribute.

<local-preference>—No documentation is available yet.

<subtract>—Subtract constant from attribute.

## **<local-preference> (configuration/policy-options/ policy-statement/term/from/prefix-list-filter)**

---

**Usage**   <configuration>  
           <policy-options>  
           <policy-statement>  
           <term>  
           <from>  
           <prefix-list-filter>  
           **<local-preference>**  
           <local-preference>*local-preference*</local-preference>  
           <add>*add*</add>  
           <subtract>*subtract*</subtract>  
           **</local-preference>**  
           </prefix-list-filter>  
           </from>  
           </term>  
           </policy-statement>  
           </policy-options>  
         </configuration>

**Description**   Local preference associated with a route.

**Contents**   <add>—Add constant to attribute.

          <local-preference>—No documentation is available yet.

          <subtract>—Subtract constant from attribute.

**<local-preference> (configuration/policy-options/  
policy-statement/term/from/route-filter)**

---

**Usage**   <configuration>  
          <policy-options>  
          <policy-statement>  
          <term>  
          <from>  
          <route-filter>  
          **<local-preference>**  
          <local-preference>*local-preference*</local-preference>  
          <add>*add*</add>  
          <subtract>*subtract*</subtract>  
          **</local-preference>**  
          </route-filter>  
          </from>  
          </term>  
          </policy-statement>  
          </policy-options>  
          </configuration>

**Description**   Local preference associated with a route.

**Contents**   <add>—Add constant to attribute.

          <local-preference>—No documentation is available yet.

          <subtract>—Subtract constant from attribute.



## **<local-preference> (configuration/policy-options/ policy-statement/term/from/source-address-filter)**

---

**Usage**   <configuration>  
           <policy-options>  
           <policy-statement>  
           <term>  
           <from>  
           <source-address-filter>  
           **<local-preference>**  
           <local-preference>*local-preference*</local-preference>  
           <add>*add*</add>  
           <subtract>*subtract*</subtract>  
           **</local-preference>**  
           </source-address-filter>  
           </from>  
           </term>  
           </policy-statement>  
           </policy-options>  
         </configuration>

**Description**   Local preference associated with a route.

**Contents**   <add>—Add constant to attribute.

          <local-preference>—No documentation is available yet.

          <subtract>—Subtract constant from attribute.

## **<local-preference> (configuration/policy-options/ policy-statement/term/then)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;policy-options&gt;     &lt;policy-statement&gt;       &lt;term&gt;         &lt;then&gt;           &lt;local-preference&gt;             &lt;local-preference&gt;local-preference&lt;/local-preference&gt;             &lt;add&gt;add&lt;/add&gt;             &lt;subtract&gt;subtract&lt;/subtract&gt;           &lt;/local-preference&gt;         &lt;/then&gt;       &lt;/term&gt;     &lt;/policy-statement&gt;   &lt;/policy-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Local preference associated with a route.
<b>Contents</b>	<p>&lt;add&gt;—Add constant to attribute.</p> <p>&lt;local-preference&gt;—No documentation is available yet.</p> <p>&lt;subtract&gt;—Subtract constant from attribute.</p>

## **<local-preference> (configuration/policy-options/ policy-statement/then)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;policy-options&gt;     &lt;policy-statement&gt;       &lt;then&gt;         &lt;local-preference&gt;           &lt;local-preference&gt;local-preference&lt;/local-preference&gt;           &lt;add&gt;add&lt;/add&gt;           &lt;subtract&gt;subtract&lt;/subtract&gt;         &lt;/local-preference&gt;       &lt;/then&gt;     &lt;/policy-statement&gt;   &lt;/policy-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Local preference associated with a route.
<b>Contents</b>	<p>&lt;add&gt;—Add constant to attribute.</p> <p>&lt;local-preference&gt;—No documentation is available yet.</p> <p>&lt;subtract&gt;—Subtract constant from attribute.</p>

## **<local-switching> (configuration/logical-systems/protocols/l2circuit)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;protocols&gt;       &lt;l2circuit&gt;         &lt;local-switching&gt;           &lt;interface&gt;...&lt;/interface&gt;         &lt;/local-switching&gt;       &lt;/l2circuit&gt;     &lt;/protocols&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Configuration of Layer 2 circuits local switching.
<b>Contents</b>	<interface>—Interface forming the local Layer 2 circuit.

## **<local-switching> (configuration/protocols/l2circuit)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;l2circuit&gt;       &lt;local-switching&gt;         &lt;interface&gt;...&lt;/interface&gt;       &lt;/local-switching&gt;     &lt;/l2circuit&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Configuration of Layer 2 circuits local switching.
<b>Contents</b>	<interface>—Interface forming the local Layer 2 circuit.

**<location> (configuration/system)**

---

**Usage** <configuration>  
           <system>  
             **<location>**  
               <country-code>*country-code*</country-code>  
               <postal-code>*postal-code*</postal-code>  
               <npa-nxx>*npa-nxx*</npa-nxx>  
               <latitude>*latitude*</latitude>  
               <longitude>*longitude*</longitude>  
               <altitude>*altitude*</altitude>  
               <lata>*lata*</lata>  
               <vcoord>*vcoord*</vcoord>  
               <hcoord>*hcoord*</hcoord>  
               <building>*building*</building>  
               <floor>*floor*</floor>  
               <rack>*rack*</rack>  
               <lcc>...</lcc>  
             **</location>**  
           </system>  
         </configuration>

**Description** Location of the system, in various forms.

**Contents** <altitude>—Feet above (or below) sea level.

<building>—Building name.

<country-code>—Two-letter country code.

<floor>—Floor of the building.

<hcoord>—Bellcore horizontal coordinate.

<lata>—Long-distance service area.

<latitude>—Latitude in degree format.

<lcc>—Line-card chassis location.

<longitude>—Longitude in degree format.

<npa-nxx>—First six digits of phone number (area code plus exchange).

<postal-code>—Zip code or postal code.

<rack>—Rack number.

<vcoord>—Bellcore vertical coordinate.

## **<locd> (configuration/dynamic-profiles/interfaces/interface/sonet-options/trigger)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <sonet-options>  
           <trigger>  
           **<locd>**  
           <ignore/>  
           <hold-time>...</hold-time>  
           **</locd>**  
           </trigger>  
           </sonet-options>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description**   LOCD defect trigger (ATM only).

**Contents**   <hold-time>—Delay before marking interface up or down for defect.

          <ignore>—Ignore the defect.

## **<locd> (configuration/interfaces/interface/sonet-options/trigger)**

---

**Usage**   <configuration>  
           <interfaces>  
           <interface>  
           <sonet-options>  
           <trigger>  
           **<locd>**  
           <ignore/>  
           <hold-time>...</hold-time>  
           **</locd>**  
           </trigger>  
           </sonet-options>  
           </interface>  
           </interfaces>  
         </configuration>

**Description**   LOCD defect trigger (ATM only).

**Contents**   <hold-time>—Delay before marking interface up or down for defect.

          <ignore>—Ignore the defect.

## **<lof> (configuration/dynamic-profiles/interfaces/interface/sonet-options/trigger)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;dynamic-profiles&gt;     &lt;interfaces&gt;       &lt;interface&gt;         &lt;sonet-options&gt;           &lt;trigger&gt;             <b>&lt;lof&gt;</b>               &lt;ignore/&gt;               &lt;hold-time&gt;...&lt;/hold-time&gt;             <b>&lt;/lof&gt;</b>           &lt;/trigger&gt;         &lt;/sonet-options&gt;       &lt;/interface&gt;     &lt;/interfaces&gt;   &lt;/dynamic-profiles&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	LOF defect trigger.
<b>Contents</b>	<p>&lt;hold-time&gt;—Delay before marking interface up or down for defect.</p> <p>&lt;ignore&gt;—Ignore the defect.</p>

## **<lof> (configuration/interfaces/interface/sonet-options/trigger)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;interfaces&gt;     &lt;interface&gt;       &lt;sonet-options&gt;         &lt;trigger&gt;           <b>&lt;lof&gt;</b>             &lt;ignore/&gt;             &lt;hold-time&gt;...&lt;/hold-time&gt;           <b>&lt;/lof&gt;</b>         &lt;/trigger&gt;       &lt;/sonet-options&gt;     &lt;/interface&gt;   &lt;/interfaces&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	LOF defect trigger.
<b>Contents</b>	<p>&lt;hold-time&gt;—Delay before marking interface up or down for defect.</p> <p>&lt;ignore&gt;—Ignore the defect.</p>

**<log> (configuration/security/idp/sensor-configuration)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;security&gt;     &lt;idp&gt;       &lt;sensor-configuration&gt;         &lt;log&gt;           &lt;cache-size&gt;cache-size&lt;/cache-size&gt;           &lt;suppression&gt;...&lt;/suppression&gt;         &lt;/log&gt;       &lt;/sensor-configuration&gt;     &lt;/idp&gt;   &lt;/security&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	IDP Log Configuration.
<b>Contents</b>	<p>&lt;cache-size&gt;—Log cache size.</p> <p>&lt;suppression&gt;—Log suppression.</p>

**<log-attacks> (configuration/security/idp/idp-policy/rulebase-ips/rule/then/notification)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;security&gt;     &lt;idp&gt;       &lt;idp-policy&gt;         &lt;rulebase-ips&gt;           &lt;rule&gt;             &lt;then&gt;               &lt;notification&gt;                 &lt;log-attacks&gt;                   &lt;alert/&gt;                 &lt;/log-attacks&gt;               &lt;/notification&gt;             &lt;/then&gt;           &lt;/rule&gt;         &lt;/rulebase-ips&gt;       &lt;/idp-policy&gt;     &lt;/idp&gt;   &lt;/security&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Enable attack logging.
<b>Contents</b>	<alert>—Set alert flag in attack log.

**<log-updown> (configuration/logical-systems/protocols/ldp)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;protocols&gt;       &lt;ldp&gt;         &lt;log-updown&gt;           &lt;trap&gt;...&lt;/trap&gt;         &lt;/log-updown&gt;       &lt;/ldp&gt;     &lt;/protocols&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Logging actions for LSP up/down events.
<b>Contents</b>	<trap>—SNMP traps options.

**<log-updown> (configuration/logical-systems/protocols/mpls)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;protocols&gt;       &lt;mpls&gt;         &lt;log-updown&gt;           &lt;syslog/&gt;           &lt;trap/&gt;           &lt;no-trap&gt;...&lt;/no-trap&gt;           &lt;trap-path-down/&gt;           &lt;trap-path-up/&gt;         &lt;/log-updown&gt;       &lt;/mpls&gt;     &lt;/protocols&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Logging actions for LSP up/down events.
<b>Contents</b>	<p>&lt;no-trap&gt;—Don't send SNMP traps.</p> <p>&lt;syslog&gt;—Send syslog messages.</p> <p>&lt;trap&gt;—Send SNMP traps.</p> <p>&lt;trap-path-down&gt;—Send SNMP traps when a path goes down.</p> <p>&lt;trap-path-up&gt;—Send SNMP traps when a path goes up.</p>



**<log-updown> (configuration/logical-systems/routing-instances/instance/protocols/ldp)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <ldp>  
          **<log-updown>**  
          <trap>...</trap>  
          **</log-updown>**  
          </ldp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Logging actions for LSP up/down events.

**Contents**    <trap>—SNMP traps options.

**<log-updown> (configuration/protocols/ldp)**

---

**Usage**   <configuration>  
          <protocols>  
          <ldp>  
          **<log-updown>**  
          <trap>...</trap>  
          **</log-updown>**  
          </ldp>  
          </protocols>  
          </configuration>

**Description**   Logging actions for LSP up/down events.

**Contents**    <trap>—SNMP traps options.

**<log-updown> (configuration/protocols/mpls)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;mpls&gt;       &lt;log-updown&gt;         &lt;syslog/&gt;         &lt;trap/&gt;         &lt;no-trap&gt;...&lt;/no-trap&gt;         &lt;trap-path-down/&gt;         &lt;trap-path-up/&gt;       &lt;/log-updown&gt;     &lt;/mpls&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Logging actions for LSP up/down events.
<b>Contents</b>	<p>&lt;no-trap&gt;—Don't send SNMP traps.</p> <p>&lt;syslog&gt;—Send syslog messages.</p> <p>&lt;trap&gt;—Send SNMP traps.</p> <p>&lt;trap-path-down&gt;—Send SNMP traps when a path goes down.</p> <p>&lt;trap-path-up&gt;—Send SNMP traps when a path goes up.</p>

**<log-updown> (configuration/routing-instances/instance/protocols/ldp)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;protocols&gt;         &lt;ldp&gt;           &lt;log-updown&gt;             &lt;trap&gt;...&lt;/trap&gt;           &lt;/log-updown&gt;         &lt;/ldp&gt;       &lt;/protocols&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Logging actions for LSP up/down events.
<b>Contents</b>	<trap>—SNMP traps options.

**<logging> (configuration/services)**

---

<b>Usage</b>	<code>&lt;configuration&gt;   &lt;services&gt;     &lt;logging&gt;       &lt;traceoptions&gt;...&lt;/traceoptions&gt;     &lt;/logging&gt;   &lt;/services&gt; &lt;/configuration&gt;</code>
<b>Description</b>	Bulk logging configuration.
<b>Contents</b>	<code>&lt;traceoptions&gt;</code> —Fsad trace options.

**<logging> (configuration/services/ids/rule/term/then)**

---

<b>Usage</b>	<code>&lt;configuration&gt;   &lt;services&gt;     &lt;ids&gt;       &lt;rule&gt;         &lt;term&gt;           &lt;then&gt;             &lt;logging&gt;               &lt;threshold&gt;threshold&lt;/threshold&gt;               &lt;syslog/&gt;             &lt;/logging&gt;           &lt;/then&gt;         &lt;/term&gt;       &lt;/rule&gt;     &lt;/ids&gt;   &lt;/services&gt; &lt;/configuration&gt;</code>
<b>Description</b>	Define system logging parameters.
<b>Contents</b>	<code>&lt;syslog&gt;</code> —System log information about the packet.  <code>&lt;threshold&gt;</code> —Threshold above which events should be logged.

**<logical-apn> (configuration/services/ggsn)**

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               **<logical-apn>**  
                 <name>*name*</name>   <!-- identifier -->  
                 <access-restrictions>...</access-restrictions>  
                 <apn>...</apn>   <!-- mandatory -->  
               **</logical-apn>**  
             </ggsn>  
           </services>  
         </configuration>

**Description** Logical access point name configuration.

**Contents** <access-restrictions>—Settings for APN access restrictions. .  
               <apn>—APN selection configuration.  
               <name>—Logical access point name identifier.

**<logical-system> (configuration/firewall/family/inet/filter/term/then)**

---

**Usage** <configuration>  
           <firewall>  
             <family>  
               <inet>  
                 <filter>  
                   <term>  
                     <then>  
                       **<logical-system>**  
                         <logical-system-name>*logical-system-name*  
                           </logical-system-name>   <!-- mandatory -->  
                         <routing-instance>...</routing-instance>  
                         <topology>*topology*</topology>  
                       **</logical-system>**  
                     </then>  
                   </term>  
                 </filter>  
               </inet>  
             </family>  
           </firewall>  
         </configuration>

**Description** Packets are directed to specified logical system.

**Contents** <logical-system-name>—Name of logical system.  
               <routing-instance>—Packets are directed to specified routing instance.  
               <topology>—Packets are directed to specified topology.

**<logical-system> (configuration/firewall/family/inet6/filter/term/then)**

---

```

Usage  <configuration>
      <firewall>
      <family>
      <inet6>
      <filter>
      <term>
      <then>
          <logical-system>
              <logical-system-name>logical-system-name
                  </logical-system-name>    <!-- mandatory -->
              <routing-instance>...</routing-instance>
              <topology>topology</topology>
          </logical-system>
      </then>
  </term>
</filter>
</inet6>
</family>
</firewall>
</configuration>

```

**Description**    Packets are directed to specified logical system.

**Contents**       <logical-system-name>—Name of logical system.

                    <routing-instance>—Packets are directed to specified routing instance.

                    <topology>—Packets are directed to specified topology.

**<logical-system> (configuration/firewall/filter/term/then)**

```
Usage
  <configuration>
    <firewall>
      <filter>
        <term>
          <then>
            <logical-system>
              <logical-system-name>logical-system-name
                </logical-system-name>    <!-- mandatory -->
              <routing-instance>...</routing-instance>
              <topology>topology</topology>
            </logical-system>
          </then>
        </term>
      </filter>
    </firewall>
  </configuration>
```

**Description** Packets are directed to specified logical system.

**Contents** <logical-system-name>—Name of logical system.

**<routing-instance>**—Packets are directed to specified routing instance.

**<topology>**—Packets are directed to specified topology.

**<logical-system> (configuration/forwarding-options/helpers/  
bootp/interface/server)**

```
Usage  <configuration>
      <forwarding-options>
        <helpers>
          <bootp>
            <interface>
              <server>
                <logical-system>
                  <name>name</name>    <!-- identifier -->
                  <routing-instance>...</routing-instance>
                </logical-system>
              </server>
            </interface>
          </bootp>
        </helpers>
      </forwarding-options>
    </configuration>
```

**Description** Logical system of server to which to forward.

**Contents** <name>—Name of logical system.

**<routing-instance>**—Routing instance of server to which to forward.

## **<logical-system> (configuration/forwarding-options/helpers/bootp/server)**

---

**Usage** <configuration>  
           <forwarding-options>  
             <helpers>  
               <bootp>  
                 <server>  
                   **<logical-system>**  
                     <name>*name*</name>   <!-- identifier -->  
                     <routing-instance>...</routing-instance>  
                   **</logical-system>**  
                 </server>  
               </bootp>  
             </helpers>  
           </forwarding-options>  
         </configuration>

**Description** Logical system of server to which to forward.

**Contents** <name>—Name of logical system.

          <routing-instance>—Routing instance of server to which to forward.

## **<logical-system> (configuration/forwarding-options/helpers/domain/interface/server)**

---

**Usage** <configuration>  
           <forwarding-options>  
             <helpers>  
               <domain>  
                 <interface>  
                   <server>  
                     **<logical-system>**  
                       <logical-system-name>*logical-system-name*  
                       </logical-system-name>   <!-- mandatory -->  
                       <routing-instance>*routing-instance*</routing-instance>  
                     **</logical-system>**  
                   </server>  
                 </interface>  
               </domain>  
             </helpers>  
           </forwarding-options>  
         </configuration>

**Description** Logical system of server to which to forward.

**Contents** <logical-system-name>—Name of logical system.

          <routing-instance>—Routing instance of server to which to forward.

## **<logical-system> (configuration/forwarding-options/helpers/domain/server)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;forwarding-options&gt;     &lt;helpers&gt;       &lt;domain&gt;         &lt;server&gt;           &lt;logical-system&gt;             &lt;logical-system-name&gt;logical-system-name             &lt;/logical-system-name&gt;    &lt;!-- mandatory --&gt;             &lt;routing-instance&gt;routing-instance&lt;/routing-instance&gt;           &lt;/logical-system&gt;         &lt;/server&gt;       &lt;/domain&gt;     &lt;/helpers&gt;   &lt;/forwarding-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Logical system of server to which to forward.
<b>Contents</b>	<p>&lt;logical-system-name&gt;—Name of logical system.</p> <p>&lt;routing-instance&gt;—Routing instance of server to which to forward.</p>

## **<logical-system> (configuration/forwarding-options/helpers/port/interface/server)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;forwarding-options&gt;     &lt;helpers&gt;       &lt;port&gt;         &lt;interface&gt;           &lt;server&gt;             &lt;logical-system&gt;               &lt;logical-system-name&gt;logical-system-name               &lt;/logical-system-name&gt;    &lt;!-- mandatory --&gt;               &lt;routing-instance&gt;routing-instance&lt;/routing-instance&gt;             &lt;/logical-system&gt;           &lt;/server&gt;         &lt;/interface&gt;       &lt;/port&gt;     &lt;/helpers&gt;   &lt;/forwarding-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Logical system of server to which to forward.
<b>Contents</b>	<p>&lt;logical-system-name&gt;—Name of logical system.</p> <p>&lt;routing-instance&gt;—Routing instance of server to which to forward.</p>



## **<logical-system> (configuration/forwarding-options/helpers/port/server)**

---

**Usage** <configuration>  
           <forwarding-options>  
           <helpers>  
           <port>  
           <server>  
             **<logical-system>**  
               <logical-system-name>*logical-system-name*  
               </logical-system-name>   <!-- mandatory -->  
               <routing-instance>*routing-instance*</routing-instance>  
             **</logical-system>**  
           </server>  
         </port>  
       </helpers>  
     </forwarding-options>  
 </configuration>

**Description** Logical system of server to which to forward.

**Contents** <logical-system-name>—Name of logical system.  
               <routing-instance>—Routing instance of server to which to forward.

## **<logical-system> (configuration/forwarding-options/helpers/tftp/interface/server)**

---

**Usage** <configuration>  
           <forwarding-options>  
           <helpers>  
           <tftp>  
           <interface>  
           <server>  
             **<logical-system>**  
               <logical-system-name>*logical-system-name*  
               </logical-system-name>   <!-- mandatory -->  
               <routing-instance>*routing-instance*</routing-instance>  
             **</logical-system>**  
           </server>  
         </interface>  
       </tftp>  
     </helpers>  
   </forwarding-options>  
</configuration>

**Description** Logical system of server to which to forward.

**Contents** <logical-system-name>—Name of logical system.  
               <routing-instance>—Routing instance of server to which to forward.

## **<logical-system> (configuration/forwarding-options/helpers/tftp/server)**

---

**Usage**   <configuration>  
           <forwarding-options>  
           <helpers>  
           <tftp>  
           <server>  
             **<logical-system>**  
               <logical-system-name>*logical-system-name*  
               </logical-system-name>   <!-- mandatory -->  
               <routing-instance>*routing-instance*</routing-instance>  
             **</logical-system>**  
           </server>  
         </tftp>  
       </helpers>  
     </forwarding-options>  
 </configuration>

**Description**   Logical system of server to which to forward.

**Contents**   <logical-system-name>—Name of logical system.

          <routing-instance>—Routing instance of server to which to forward.

## **<logical-system> (configuration/logical-systems/firewall/family/inet/filter/term/then)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <inet>
          <filter>
            <term>
              <then>
                <logical-system>
                  <logical-system-name>logical-system-name
                    </logical-system-name>    <!-- mandatory -->
                  <routing-instance>...</routing-instance>
                  <topology>topology</topology>
                </logical-system>
              </then>
            </term>
          </filter>
        </inet>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Packets are directed to specified logical system.

**Contents** <logical-system-name>—Name of logical system.

<routing-instance>—Packets are directed to specified routing instance.

<topology>—Packets are directed to specified topology.

## **<logical-system> (configuration/logical-systems/firewall/family/inet6/filter/term/then)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <inet6>
          <filter>
            <term>
              <then>
                <logical-system>
                  <logical-system-name>logical-system-name
                  </logical-system-name>    <!-- mandatory -->
                  <routing-instance>...</routing-instance>
                  <topology>topology</topology>
                </logical-system>
              </then>
            </term>
          </filter>
        </inet6>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Packets are directed to specified logical system.

**Contents** <logical-system-name>—Name of logical system.

<routing-instance>—Packets are directed to specified routing instance.

<topology>—Packets are directed to specified topology.

**<logical-system> (configuration/logical-systems/firewall/filter/  
term/then)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <firewall>  
          <filter>  
          <term>  
          <then>  
            **<logical-system>**  
              <logical-system-name>*logical-system-name*  
                  </logical-system-name>   <!-- mandatory -->  
              <routing-instance>...</routing-instance>  
              <topology>*topology*</topology>  
              **</logical-system>**  
            </then>  
          </term>  
        </filter>  
      </firewall>  
    </logical-systems>  
  </configuration>

**Description**   Packets are directed to specified logical system.

**Contents**   <logical-system-name>—Name of logical system.  
  
              <routing-instance>—Packets are directed to specified routing instance.  
  
              <topology>—Packets are directed to specified topology.

## **<logical-system> (configuration/logical-systems/ routing-instances/instance/forwarding-options/helpers/bootp/ interface/server)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <forwarding-options>
          <helpers>
            <bootp>
              <interface>
                <server>
                  <logical-system>
                    <name>name</name>    <!-- identifier -->
                    <routing-instance>...</routing-instance>
                  </logical-system>
                </server>
              </interface>
            </bootp>
          </helpers>
        </forwarding-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Logical system of server to which to forward.

**Contents** <name>—Name of logical system.

<routing-instance>—Routing instance of server to which to forward.

## **<logical-system> (configuration/logical-systems/ routing-instances/instance/forwarding-options/helpers/bootp/ server)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <forwarding-options>  
           <helpers>  
           <bootp>  
           <server>  
             **<logical-system>**  
               <name>name</name>   <!-- identifier -->  
               <routing-instance>...</routing-instance>  
             **</logical-system>**  
           </server>  
           </bootp>  
           </helpers>  
           </forwarding-options>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
         </configuration>

**Description**   Logical system of server to which to forward.

**Contents**   <name>—Name of logical system.

                <routing-instance>—Routing instance of server to which to forward.

## **<logical-system> (configuration/logical-systems/ routing-instances/instance/forwarding-options/helpers/domain/ interface/server)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <forwarding-options>
          <helpers>
            <domain>
              <interface>
                <server>
                  <logical-system>
                    <logical-system-name>logical-system-name
                    </logical-system-name>    <!-- mandatory -->
                    <routing-instance>routing-instance</routing-instance>
                  </logical-system>
                </server>
              </interface>
            </domain>
          </helpers>
        </forwarding-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Logical system of server to which to forward.

**Contents** <logical-system-name>—Name of logical system.

<routing-instance>—Routing instance of server to which to forward.



## **<logical-system> (configuration/logical-systems/ routing-instances/instance/forwarding-options/helpers/domain/ server)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <forwarding-options>  
           <helpers>  
           <domain>  
           <server>  
             **<logical-system>**  
               <logical-system-name>*logical-system-name*  
               </logical-system-name>   <!-- mandatory -->  
               <routing-instance>*routing-instance*</routing-instance>  
             **</logical-system>**  
           </server>  
           </domain>  
           </helpers>  
           </forwarding-options>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Logical system of server to which to forward.

**Contents**   <logical-system-name>—Name of logical system.

          <routing-instance>—Routing instance of server to which to forward.

## **<logical-system> (configuration/logical-systems/ routing-instances/instance/forwarding-options/helpers/port/ interface/server)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <forwarding-options>
          <helpers>
            <port>
              <interface>
                <server>
                  <logical-system>
                    <logical-system-name>logical-system-name
                    </logical-system-name>    <!-- mandatory -->
                    <routing-instance>routing-instance</routing-instance>
                  </logical-system>
                </server>
              </interface>
            </port>
          </helpers>
        </forwarding-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Logical system of server to which to forward.

**Contents** <logical-system-name>—Name of logical system.

<routing-instance>—Routing instance of server to which to forward.

## **<logical-system> (configuration/logical-systems/routing-instances/instance/forwarding-options/helpers/port/server)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <forwarding-options>  
           <helpers>  
           <port>  
           <server>  
             **<logical-system>**  
               <logical-system-name>*logical-system-name*  
               </logical-system-name>   <!-- mandatory -->  
               <routing-instance>*routing-instance*</routing-instance>  
             **</logical-system>**  
           </server>  
           </port>  
           </helpers>  
           </forwarding-options>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
         </configuration>

**Description**   Logical system of server to which to forward.

**Contents**    <logical-system-name>—Name of logical system.

                <routing-instance>—Routing instance of server to which to forward.

## **<logical-system> (configuration/logical-systems/ routing-instances/instance/forwarding-options/helpers/tftp/ interface/server)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <forwarding-options>
          <helpers>
            <tftp>
              <interface>
                <server>
                  <logical-system>
                    <logical-system-name>logical-system-name
                    </logical-system-name>    <!-- mandatory -->
                    <routing-instance>routing-instance</routing-instance>
                  </logical-system>
                </server>
              </interface>
            </tftp>
          </helpers>
        </forwarding-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Logical system of server to which to forward.

**Contents** <logical-system-name>—Name of logical system.

<routing-instance>—Routing instance of server to which to forward.

## **<logical-system> (configuration/logical-systems/routing-instances/instance/forwarding-options/helpers/tftp/server)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <forwarding-options>  
           <helpers>  
           <tftp>  
           <server>  
             **<logical-system>**  
               <logical-system-name>*logical-system-name*  
               </logical-system-name>   <!-- mandatory -->  
               <routing-instance>*routing-instance*</routing-instance>  
             **</logical-system>**  
           </server>  
           </tftp>  
           </helpers>  
           </forwarding-options>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
         </configuration>

**Description**   Logical system of server to which to forward.

**Contents**   <logical-system-name>—Name of logical system.

          <routing-instance>—Routing instance of server to which to forward.

## **<logical-system> (configuration/routing-instances/instance/forwarding-options/helpers/bootp/interface/server)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <forwarding-options>
        <helpers>
          <bootp>
            <interface>
              <server>
                <logical-system>
                  <name>name</name>    <!-- identifier -->
                  <routing-instance>...</routing-instance>
                </logical-system>
              </server>
            </interface>
          </bootp>
        </helpers>
      </forwarding-options>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Logical system of server to which to forward.

**Contents** <name>—Name of logical system.

<routing-instance>—Routing instance of server to which to forward.

## **<logical-system> (configuration/routing-instances/instance/forwarding-options/helpers/bootp/server)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <forwarding-options>  
           <helpers>  
           <bootp>  
           <server>  
             **<logical-system>**  
               <name>*name*</name>    <!-- identifier -->  
               <routing-instance>...</routing-instance>  
             **</logical-system>**  
           </server>  
           </bootp>  
           </helpers>  
           </forwarding-options>  
           </instance>  
           </routing-instances>  
         </configuration>

**Description**   Logical system of server to which to forward.

**Contents**   <name>—Name of logical system.

          <routing-instance>—Routing instance of server to which to forward.

## **<logical-system> (configuration/routing-instances/instance/forwarding-options/helpers/domain/interface/server)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <forwarding-options>
        <helpers>
          <domain>
            <interface>
              <server>
                <logical-system>
                  <logical-system-name>logical-system-name
                    </logical-system-name>    <!-- mandatory -->
                  <routing-instance>routing-instance</routing-instance>
                </logical-system>
              </server>
            </interface>
          </domain>
        </helpers>
      </forwarding-options>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Logical system of server to which to forward.

**Contents** <logical-system-name>—Name of logical system.

<routing-instance>—Routing instance of server to which to forward.



## **<logical-system> (configuration/routing-instances/instance/forwarding-options/helpers/domain/server)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <forwarding-options>  
           <helpers>  
           <domain>  
           <server>  
             **<logical-system>**  
               <logical-system-name>*logical-system-name*  
               </logical-system-name>   <!-- mandatory -->  
               <routing-instance>*routing-instance*</routing-instance>  
             **</logical-system>**  
           </server>  
           </domain>  
           </helpers>  
           </forwarding-options>  
           </instance>  
           </routing-instances>  
         </configuration>

**Description**   Logical system of server to which to forward.

**Contents**    <logical-system-name>—Name of logical system.

                <routing-instance>—Routing instance of server to which to forward.

## **<logical-system> (configuration/routing-instances/instance/forwarding-options/helpers/port/interface/server)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <forwarding-options>
        <helpers>
          <port>
            <interface>
              <server>
                <logical-system>
                  <logical-system-name>logical-system-name
                    </logical-system-name>    <!-- mandatory -->
                  <routing-instance>routing-instance</routing-instance>
                </logical-system>
              </server>
            </interface>
          </port>
        </helpers>
      </forwarding-options>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Logical system of server to which to forward.

**Contents** <logical-system-name>—Name of logical system.

<routing-instance>—Routing instance of server to which to forward.

## **<logical-system> (configuration/routing-instances/instance/forwarding-options/helpers/port/server)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <forwarding-options>  
           <helpers>  
           <port>  
           <server>  
             **<logical-system>**  
               <logical-system-name>*logical-system-name*  
               </logical-system-name>   <!-- mandatory -->  
               <routing-instance>*routing-instance*</routing-instance>  
             **</logical-system>**  
           </server>  
           </port>  
           </helpers>  
           </forwarding-options>  
           </instance>  
           </routing-instances>  
         </configuration>

**Description**   Logical system of server to which to forward.

**Contents**    <logical-system-name>—Name of logical system.

                <routing-instance>—Routing instance of server to which to forward.

## **<logical-system> (configuration/routing-instances/instance/forwarding-options/helpers/tftp/interface/server)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <forwarding-options>
        <helpers>
          <tftp>
            <interface>
              <server>
                <logical-system>
                  <logical-system-name>logical-system-name
                  </logical-system-name>    <!-- mandatory -->
                  <routing-instance>routing-instance</routing-instance>
                </logical-system>
              </server>
            </interface>
          </tftp>
        </helpers>
      </forwarding-options>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Logical system of server to which to forward.

**Contents** <logical-system-name>—Name of logical system.

<routing-instance>—Routing instance of server to which to forward.

## **<logical-system> (configuration/routing-instances/instance/forwarding-options/helpers/tftp/server)**

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <forwarding-options>  
                 <helpers>  
                   <tftp>  
                     <server>  
                       **<logical-system>**  
                         <logical-system-name>*logical-system-name*  
                           </logical-system-name>   <!-- mandatory -->  
                         <routing-instance>*routing-instance*</routing-instance>  
                       **</logical-system>**  
                     </server>  
                   </tftp>  
                 </helpers>  
               </forwarding-options>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** Logical system of server to which to forward.

**Contents** <logical-system-name>—Name of logical system.

<routing-instance>—Routing instance of server to which to forward.

## **<logical-system> (configuration/services/rpm/bgp)**

---

**Usage** <configuration>  
           <services>  
             <rpm>  
               <bgp>  
                 **<logical-system>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <routing-instances>...</routing-instances>  
                 **</logical-system>**  
               </bgp>  
             </rpm>  
           </services>  
         </configuration>

**Description** Logical systems.

**Contents** <name>—Logical system name.

<routing-instances>—Routing instances.

**<logical-system> (configuration/snmp/community)**

---

- Usage** `<configuration>  
   <snmp>  
     <community>  
       <logical-system>  
         <name>name</name>   <!-- identifier -->  
         <routing-instance>...</routing-instance>  
       </logical-system>  
     </community>  
   </snmp>  
</configuration>`
- Description** Use logical-system name for v1/v2c clients.
- Contents** `<name>`—Use logical-system name for v1/v2c clients.  
               `<routing-instance>`—Use routing-instance name for v1/v2c clients.

**<logical-system> (configuration/snmp/trap-options)**

---

- Usage** `<configuration>  
   <snmp>  
     <trap-options>  
       <logical-system>  
         <name>name</name>   <!-- identifier -->  
         <routing-instance>...</routing-instance>  
       </logical-system>  
     </trap-options>  
   </snmp>  
</configuration>`
- Description** Use logical-system name for source-address.
- Contents** `<name>`—Use logical-system name for source-address.  
               `<routing-instance>`—Use routing-instance name for source-address.

**<logical-systems> (configuration)**

---

**Usage** <configuration>  
     **<logical-systems>**  
         <name>*name*</name>   <!-- identifier -->  
         <interfaces>...</interfaces>  
         <protocols>...</protocols>  
         <policy-options>...</policy-options>  
         <routing-instances>...</routing-instances>  
         <routing-options>...</routing-options>  
         <forwarding-options>...</forwarding-options>  
         <system>...</system>  
         <access>...</access>  
         <access-profile>...</access-profile>  
         <firewall>...</firewall>  
     **</logical-systems>**  
 </configuration>

**Description** Logical systems.

**Contents** <access>—Network access configuration.

<access-profile>—Access profile for this instance.

<firewall>—Define a firewall configuration.

<forwarding-options>—Configure options to control packet forwarding.

<interfaces>—Interface configuration.

<name>—Logical system name.

<policy-options>—Routing policy option configuration.

<protocols>—Routing protocol configuration.

<routing-instances>—Routing instance configuration.

<routing-options>—Protocol-independent routing option configuration.

<system>—System parameters.

## <logical-widgets> (configuration/dynamic-profiles/dyn-constraints-test)

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;dynamic-profiles&gt;     &lt;dyn-constraints-test&gt;       &lt;logical-widgets&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;       &lt;/logical-widgets&gt;     &lt;/dyn-constraints-test&gt;   &lt;/dynamic-profiles&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	No documentation is available yet.
<b>Contents</b>	<name>—No documentation is available yet.

## <login> (configuration/system)

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;system&gt;     &lt;login&gt;       &lt;announcement&gt;announcement&lt;/announcement&gt;       &lt;message&gt;message&lt;/message&gt;       &lt;retry-options&gt;...&lt;/retry-options&gt;       &lt;class&gt;...&lt;/class&gt;       &lt;user&gt;...&lt;/user&gt;       &lt;password&gt;...&lt;/password&gt;     &lt;/login&gt;   &lt;/system&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Names, login classes, and passwords for users.
<b>Contents</b>	<p>&lt;announcement&gt;—System announcement message (displayed after login).</p> <p>&lt;class&gt;—Login class.</p> <p>&lt;message&gt;—System login message.</p> <p>&lt;password&gt;—Password configuration.</p> <p>&lt;retry-options&gt;—Configure password retry options.</p> <p>&lt;user&gt;—Username.</p>



## **<lol> (configuration/dynamic-profiles/interfaces/interface/sonet-options/trigger)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <sonet-options>  
           <trigger>  
           **<lol>**  
           <ignore/>  
           <hold-time>...</hold-time>  
           **</lol>**  
           </trigger>  
           </sonet-options>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
           </configuration>

**Description**   LOL defect trigger.

**Contents**   <hold-time>—Delay before marking interface up or down for defect.  
               <ignore>—Ignore the defect.

## **<lol> (configuration/interfaces/interface/sonet-options/trigger)**

---

**Usage**   <configuration>  
           <interfaces>  
           <interface>  
           <sonet-options>  
           <trigger>  
           **<lol>**  
           <ignore/>  
           <hold-time>...</hold-time>  
           **</lol>**  
           </trigger>  
           </sonet-options>  
           </interface>  
           </interfaces>  
           </configuration>

**Description**   LOL defect trigger.

**Contents**   <hold-time>—Delay before marking interface up or down for defect.  
               <ignore>—Ignore the defect.

**<long-ctn> (configuration/load-update-test)**

---

**Usage** <configuration>  
           <load-update-test>  
             **<long-ctn>**  
               <name>name</name>   <!-- identifier -->  
             **</long-ctn>**  
           </load-update-test>  
         </configuration>

**Description** No documentation is available yet.

**Contents** <name>—No documentation is available yet.

**<lop-p> (configuration/dynamic-profiles/interfaces/interface/sonet-options/trigger)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
             <interfaces>  
               <interface>  
                 <sonet-options>  
                   <trigger>  
                     **<lop-p>**  
                       <ignore/>  
                       <hold-time>...</hold-time>  
                     **</lop-p>**  
                   </trigger>  
                 </sonet-options>  
               </interface>  
             </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description** LOP-P defect trigger.

**Contents** <hold-time>—Delay before marking interface up or down for defect.

          <ignore>—Ignore the defect.

## **<lop-p> (configuration/interfaces/interface/sonet-options/trigger)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;interfaces&gt;     &lt;interface&gt;       &lt;sonet-options&gt;         &lt;trigger&gt;           &lt;lop-p&gt;             &lt;ignore/&gt;             &lt;hold-time&gt;...&lt;/hold-time&gt;           &lt;/lop-p&gt;         &lt;/trigger&gt;       &lt;/sonet-options&gt;     &lt;/interface&gt;   &lt;/interfaces&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	LOP-P defect trigger.
<b>Contents</b>	<p>&lt;hold-time&gt;—Delay before marking interface up or down for defect.</p> <p>&lt;ignore&gt;—Ignore the defect.</p>

## **<los> (configuration/dynamic-profiles/interfaces/interface/sonet-options/trigger)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;dynamic-profiles&gt;     &lt;interfaces&gt;       &lt;interface&gt;         &lt;sonet-options&gt;           &lt;trigger&gt;             &lt;los&gt;               &lt;ignore/&gt;               &lt;hold-time&gt;...&lt;/hold-time&gt;             &lt;/los&gt;           &lt;/trigger&gt;         &lt;/sonet-options&gt;       &lt;/interface&gt;     &lt;/interfaces&gt;   &lt;/dynamic-profiles&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	LOS defect trigger.
<b>Contents</b>	<p>&lt;hold-time&gt;—Delay before marking interface up or down for defect.</p> <p>&lt;ignore&gt;—Ignore the defect.</p>

**<los> (configuration/interfaces/interface/sonet-options/trigger)**

---

**Usage**   <configuration>  
          <interfaces>  
          <interface>  
          <sonet-options>  
          <trigger>  
          **<los>**  
          <ignore/>  
          <hold-time>...</hold-time>  
          **</los>**  
          </trigger>  
          </sonet-options>  
          </interface>  
          </interfaces>  
          </configuration>

**Description**   LOS defect trigger.

**Contents**   <hold-time>—Delay before marking interface up or down for defect.  
              <ignore>—Ignore the defect.

## **<loss-priority> (configuration/class-of-service/classifiers/dscp/forwarding-class)**

---

**Usage**   <configuration>  
           <class-of-service>  
           <classifiers>  
           <dscp>  
           <forwarding-class>  
           **<loss-priority>**  
             <name>*name*</name>   <!-- identifier -->  
             <code-points>...</code-points>   <!-- mandatory -->  
           **</loss-priority>**  
           </forwarding-class>  
           </dscp>  
           </classifiers>  
           </class-of-service>  
         </configuration>

**Description**   Classify code points to a loss priority.

**Contents**   <code-points>—List of code point aliases and/or bit strings.

          <name>—No documentation is available yet.

- high—Code points to classify to loss priority high.
- low—Code points to classify to loss priority low.
- medium-high—Code points to classify to loss priority medium-high.
- medium-low—Code points to classify to loss priority medium-low.

## **<loss-priority> (configuration/class-of-service/classifiers/dscp-ipv6/forwarding-class)**

---

**Usage**   <configuration>  
           <class-of-service>  
           <classifiers>  
           <dscp-ipv6>  
           <forwarding-class>  
           **<loss-priority>**  
             <name>*name*</name>   <!-- identifier -->  
             <code-points>...</code-points>   <!-- mandatory -->  
           **</loss-priority>**  
           </forwarding-class>  
           </dscp-ipv6>  
           </classifiers>  
           </class-of-service>  
         </configuration>

**Description**   Classify code points to a loss priority.

**Contents**   <code-points>—List of code point aliases and/or bit strings.

          <name>—No documentation is available yet.

- high—Code points to classify to loss priority high.
- low—Code points to classify to loss priority low.
- medium-high—Code points to classify to loss priority medium-high.
- medium-low—Code points to classify to loss priority medium-low.

## **<loss-priority> (configuration/class-of-service/classifiers/exp/forwarding-class)**

---

**Usage**   <configuration>  
               <class-of-service>  
                   <classifiers>  
                     <exp>  
                       <forwarding-class>  
                         **<loss-priority>**  
                           <name>*name*</name>   <!-- identifier -->  
                           <code-points>...</code-points>   <!-- mandatory -->  
                         **</loss-priority>**  
                       </forwarding-class>  
                     </exp>  
                   </classifiers>  
               </class-of-service>  
           </configuration>

**Description**   Classify code points to a loss priority.

**Contents**   <code-points>—List of code point aliases and/or bit strings.

              <name>—No documentation is available yet.

- high—Code points to classify to loss priority high.
- low—Code points to classify to loss priority low.
- medium-high—Code points to classify to loss priority medium-high.
- medium-low—Code points to classify to loss priority medium-low.

## **<loss-priority> (configuration/class-of-service/classifiers/ieee-802.1/forwarding-class)**

---

**Usage**   <configuration>  
           <class-of-service>  
           <classifiers>  
           <ieee-802.1>  
           <forwarding-class>  
           **<loss-priority>**  
             <name>*name*</name>   <!-- identifier -->  
             <code-points>...</code-points>   <!-- mandatory -->  
           **</loss-priority>**  
           </forwarding-class>  
           </ieee-802.1>  
           </classifiers>  
           </class-of-service>  
         </configuration>

**Description**   Classify code points to a loss priority.

**Contents**   <code-points>—List of code point aliases and/or bit strings.

          <name>—No documentation is available yet.

- high—Code points to classify to loss priority high.
- low—Code points to classify to loss priority low.
- medium-high—Code points to classify to loss priority medium-high.
- medium-low—Code points to classify to loss priority medium-low.



## **<loss-priority> (configuration/class-of-service/classifiers/ieee-802.1ad/forwarding-class)**

---

**Usage**   <configuration>  
           <class-of-service>  
           <classifiers>  
           <ieee-802.1ad>  
           <forwarding-class>  
           **<loss-priority>**  
             <name>name</name>   <!-- identifier -->  
             <code-points>...</code-points>   <!-- mandatory -->  
           **</loss-priority>**  
           </forwarding-class>  
           </ieee-802.1ad>  
           </classifiers>  
           </class-of-service>  
         </configuration>

**Description**   Classify code points to a loss priority.

**Contents**   <code-points>—List of code point aliases and/or bit strings.

          <name>—No documentation is available yet.

- high—Code points to classify to loss priority high.
- low—Code points to classify to loss priority low.
- medium-high—Code points to classify to loss priority medium-high.
- medium-low—Code points to classify to loss priority medium-low.

## **<loss-priority> (configuration/class-of-service/classifiers/inet-precedence/forwarding-class)**

---

**Usage**   <configuration>  
           <class-of-service>  
           <classifiers>  
           <inet-precedence>  
           <forwarding-class>  
           **<loss-priority>**  
             <name>*name*</name>   <!-- identifier -->  
             <code-points>...</code-points>   <!-- mandatory -->  
           **</loss-priority>**  
           </forwarding-class>  
           </inet-precedence>  
           </classifiers>  
           </class-of-service>  
         </configuration>

**Description**   Classify code points to a loss priority.

**Contents**   <code-points>—List of code point aliases and/or bit strings.

          <name>—No documentation is available yet.

- high—Code points to classify to loss priority high.
- low—Code points to classify to loss priority low.
- medium-high—Code points to classify to loss priority medium-high.
- medium-low—Code points to classify to loss priority medium-low.

## **<loss-priority> (configuration/class-of-service/loss-priority-maps/frame-relay-de)**

---

**Usage**   <configuration>  
           <class-of-service>  
           <loss-priority-maps>  
           <frame-relay-de>  
           **<loss-priority>**  
             <name>name</name>   <!-- identifier -->  
             <code-points>...</code-points>   <!-- mandatory -->  
           **</loss-priority>**  
           </frame-relay-de>  
           </loss-priority-maps>  
           </class-of-service>  
         </configuration>

**Description**   Map code points to a loss priority.

**Contents**   <code-points>—List of bit strings.

          <name>—No documentation is available yet.

- high—Code points to classify to high loss priority.
- low—Code points to classify to low loss priority.
- medium-high—Code points to classify to medium-high loss priority.
- medium-low—Code points to classify to medium-low loss priority.

## **<loss-priority> (configuration/class-of-service/rewrite-rules/dscp/forwarding-class)**

---

**Usage**   <configuration>  
           <class-of-service>  
           <rewrite-rules>  
           <dscp>  
           <forwarding-class>  
           **<loss-priority>**  
             <name>*name*</name>   <!-- identifier -->  
             <code-point>*code-point*</code-point>   <!-- mandatory -->  
           **</loss-priority>**  
           </forwarding-class>  
           </dscp>  
           </rewrite-rules>  
           </class-of-service>  
         </configuration>

**Description**   Code point marking based on loss priority.

**Contents**   <code-point>—Code point aliases or bit string.

          <name>—No documentation is available yet.

- high—Marking when loss priority is high.
- low—Marking when loss priority is low.
- medium-high—Marking when loss priority is medium-high.
- medium-low—Marking when loss priority is medium-low.

## **<loss-priority> (configuration/class-of-service/rewrite-rules/dscp-ipv6/forwarding-class)**

---

**Usage**   <configuration>  
           <class-of-service>  
           <rewrite-rules>  
           <dscp-ipv6>  
           <forwarding-class>  
           **<loss-priority>**  
             <name>*name*</name>   <!-- identifier -->  
             <code-point>*code-point*</code-point>   <!-- mandatory -->  
           **</loss-priority>**  
           </forwarding-class>  
           </dscp-ipv6>  
           </rewrite-rules>  
           </class-of-service>  
         </configuration>

**Description**   Code point marking based on loss priority.

**Contents**   <code-point>—Code point aliases or bit string.

          <name>—No documentation is available yet.

- high—Marking when loss priority is high.
- low—Marking when loss priority is low.
- medium-high—Marking when loss priority is medium-high.
- medium-low—Marking when loss priority is medium-low.

## **<loss-priority> (configuration/class-of-service/rewrite-rules/exp/forwarding-class)**

---

**Usage**   <configuration>  
           <class-of-service>  
           <rewrite-rules>  
           <exp>  
           <forwarding-class>  
           **<loss-priority>**  
           <name>*name*</name>   <!-- identifier -->  
           <code-point>*code-point*</code-point>   <!-- mandatory -->  
           **</loss-priority>**  
           </forwarding-class>  
           </exp>  
           </rewrite-rules>  
           </class-of-service>  
         </configuration>

**Description**   Code point marking based on loss priority.

**Contents**   <code-point>—Code point aliases or bit string.

          <name>—No documentation is available yet.

- high—Marking when loss priority is high.
- low—Marking when loss priority is low.
- medium-high—Marking when loss priority is medium-high.
- medium-low—Marking when loss priority is medium-low.

## **<loss-priority> (configuration/class-of-service/rewrite-rules/frame-relay-de/forwarding-class)**

---

**Usage**   <configuration>  
               <class-of-service>  
               <rewrite-rules>  
               <frame-relay-de>  
               <forwarding-class>  
               **<loss-priority>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <code-point>*code-point*</code-point>   <!-- mandatory -->  
               **</loss-priority>**  
               </forwarding-class>  
               </frame-relay-de>  
               </rewrite-rules>  
               </class-of-service>  
               </configuration>

**Description**   Code point marking based on loss priority.

**Contents**   <code-point>—Code point aliases or bit string.

              <name>—No documentation is available yet.

- high—Marking when loss priority is high.
- low—Marking when loss priority is low.
- medium-high—Marking when loss priority is medium-high.
- medium-low—Marking when loss priority is medium-low.

## **<loss-priority> (configuration/class-of-service/rewrite-rules/ieee-802.1ad/forwarding-class)**

---

**Usage**   <configuration>  
           <class-of-service>  
           <rewrite-rules>  
           <ieee-802.1ad>  
           <forwarding-class>  
           **<loss-priority>**  
             <name>*name*</name>   <!-- identifier -->  
             <code-point>*code-point*</code-point>   <!-- mandatory -->  
           **</loss-priority>**  
           </forwarding-class>  
           </ieee-802.1ad>  
           </rewrite-rules>  
           </class-of-service>  
         </configuration>

**Description**   Code point marking based on loss priority.

**Contents**   <code-point>—Code point aliases or bit string.

          <name>—No documentation is available yet.

- high—Marking when loss priority is high.
- low—Marking when loss priority is low.
- medium-high—Marking when loss priority is medium-high.
- medium-low—Marking when loss priority is medium-low.



## **<loss-priority> (configuration/class-of-service/rewrite-rules/ieee-802.1/forwarding-class)**

---

**Usage**   <configuration>  
           <class-of-service>  
           <rewrite-rules>  
           <ieee-802.1>  
           <forwarding-class>  
           **<loss-priority>**  
             <name>*name*</name>   <!-- identifier -->  
             <code-point>*code-point*</code-point>   <!-- mandatory -->  
           **</loss-priority>**  
           </forwarding-class>  
           </ieee-802.1>  
           </rewrite-rules>  
           </class-of-service>  
         </configuration>

**Description**   Code point marking based on loss priority.

**Contents**   <code-point>—Code point aliases or bit string.

          <name>—No documentation is available yet.

- high—Marking when loss priority is high.
- low—Marking when loss priority is low.
- medium-high—Marking when loss priority is medium-high.
- medium-low—Marking when loss priority is medium-low.

## **<loss-priority> (configuration/class-of-service/rewrite-rules/inet-precedence/forwarding-class)**

---

**Usage**   <configuration>  
           <class-of-service>  
           <rewrite-rules>  
           <inet-precedence>  
           <forwarding-class>  
           **<loss-priority>**  
             <name>*name*</name>   <!-- identifier -->  
             <code-point>*code-point*</code-point>   <!-- mandatory -->  
           **</loss-priority>**  
           </forwarding-class>  
           </inet-precedence>  
           </rewrite-rules>  
           </class-of-service>  
         </configuration>

**Description**   Code point marking based on loss priority.

**Contents**   <code-point>—Code point aliases or bit string.

          <name>—No documentation is available yet.

- high—Marking when loss priority is high.
- low—Marking when loss priority is low.
- medium-high—Marking when loss priority is medium-high.
- medium-low—Marking when loss priority is medium-low.

## **<loss-priority> (configuration/dynamic-profiles/ class-of-service/classifiers/dscp/forwarding-class)**

---

**Usage** <configuration>  
     <dynamic-profiles>  
         <class-of-service>  
             <classifiers>  
                 <dscp>  
                     <forwarding-class>  
                         **<loss-priority>**  
                             <name>name</name>   <!-- identifier -->  
                             <code-points>...</code-points>   <!-- mandatory -->  
                         **</loss-priority>**  
                     </forwarding-class>  
                 </dscp>  
             </classifiers>  
         </class-of-service>  
     </dynamic-profiles>  
 </configuration>

**Description** Classify code points to a loss priority.

**Contents** <code-points>—List of code point aliases and/or bit strings.

<name>—No documentation is available yet.

- high—Code points to classify to loss priority high.
- low—Code points to classify to loss priority low.
- medium-high—Code points to classify to loss priority medium-high.
- medium-low—Code points to classify to loss priority medium-low.

## **<loss-priority> (configuration/dynamic-profiles/class-of-service/classifiers/dscp-ipv6/forwarding-class)**

---

**Usage** <configuration>  
     <dynamic-profiles>  
         <class-of-service>  
             <classifiers>  
                 <dscp-ipv6>  
                     <forwarding-class>  
                         **<loss-priority>**  
                             <name>*name*</name>   <!-- identifier -->  
                             <code-points>...</code-points>   <!-- mandatory -->  
                         **</loss-priority>**  
                     </forwarding-class>  
                 </dscp-ipv6>  
             </classifiers>  
         </class-of-service>  
     </dynamic-profiles>  
</configuration>

**Description** Classify code points to a loss priority.

**Contents** <code-points>—List of code point aliases and/or bit strings.

<name>—No documentation is available yet.

- high—Code points to classify to loss priority high.
- low—Code points to classify to loss priority low.
- medium-high—Code points to classify to loss priority medium-high.
- medium-low—Code points to classify to loss priority medium-low.

## **<loss-priority> (configuration/dynamic-profiles/ class-of-service/classifiers/exp/forwarding-class)**

---

**Usage** <configuration>  
     <dynamic-profiles>  
         <class-of-service>  
             <classifiers>  
                 <exp>  
                     <forwarding-class>  
                         **<loss-priority>**  
                             <name>name</name>   <!-- identifier -->  
                             <code-points>...</code-points>   <!-- mandatory -->  
                         **</loss-priority>**  
                     </forwarding-class>  
                 </exp>  
             </classifiers>  
         </class-of-service>  
     </dynamic-profiles>  
</configuration>

**Description** Classify code points to a loss priority.

**Contents** <code-points>—List of code point aliases and/or bit strings.

<name>—No documentation is available yet.

- high—Code points to classify to loss priority high.
- low—Code points to classify to loss priority low.
- medium-high—Code points to classify to loss priority medium-high.
- medium-low—Code points to classify to loss priority medium-low.

## **<loss-priority> (configuration/dynamic-profiles/class-of-service/classifiers/ieee-802.1ad/forwarding-class)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <class-of-service>  
           <classifiers>  
           <ieee-802.1ad>  
           <forwarding-class>  
           **<loss-priority>**  
             <name>name</name>   <!-- identifier -->  
             <code-points>...</code-points>   <!-- mandatory -->  
           **</loss-priority>**  
           </forwarding-class>  
           </ieee-802.1ad>  
           </classifiers>  
           </class-of-service>  
           </dynamic-profiles>  
         </configuration>

**Description**   Classify code points to a loss priority.

**Contents**   <code-points>—List of code point aliases and/or bit strings.  
               <name>—No documentation is available yet.

- high—Code points to classify to loss priority high.
- low—Code points to classify to loss priority low.
- medium-high—Code points to classify to loss priority medium-high.
- medium-low—Code points to classify to loss priority medium-low.

## **<loss-priority> (configuration/dynamic-profiles/ class-of-service/classifiers/ieee-802.1/forwarding-class)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <class-of-service>  
           <classifiers>  
           <ieee-802.1>  
           <forwarding-class>  
           **<loss-priority>**  
             <name>*name*</name>   <!-- identifier -->  
             <code-points>...</code-points>   <!-- mandatory -->  
           **</loss-priority>**  
           </forwarding-class>  
           </ieee-802.1>  
           </classifiers>  
           </class-of-service>  
           </dynamic-profiles>  
         </configuration>

**Description**   Classify code points to a loss priority.

**Contents**   <code-points>—List of code point aliases and/or bit strings.

          <name>—No documentation is available yet.

- high—Code points to classify to loss priority high.
- low—Code points to classify to loss priority low.
- medium-high—Code points to classify to loss priority medium-high.
- medium-low—Code points to classify to loss priority medium-low.

## **<loss-priority> (configuration/dynamic-profiles/class-of-service/classifiers/inet-precedence/forwarding-class)**

---

**Usage** <configuration>  
     <dynamic-profiles>  
         <class-of-service>  
             <classifiers>  
                 <inet-precedence>  
                     <forwarding-class>  
                         **<loss-priority>**  
                             <name>name</name>   <!-- identifier -->  
                             <code-points>...</code-points>   <!-- mandatory -->  
                         **</loss-priority>**  
                     </forwarding-class>  
                 </inet-precedence>  
             </classifiers>  
         </class-of-service>  
     </dynamic-profiles>  
</configuration>

**Description** Classify code points to a loss priority.

**Contents** <code-points>—List of code point aliases and/or bit strings.

<name>—No documentation is available yet.

- high—Code points to classify to loss priority high.
- low—Code points to classify to loss priority low.
- medium-high—Code points to classify to loss priority medium-high.
- medium-low—Code points to classify to loss priority medium-low.



## **<loss-priority> (configuration/dynamic-profiles/ class-of-service/loss-priority-maps/frame-relay-de)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <class-of-service>  
           <loss-priority-maps>  
           <frame-relay-de>  
           **<loss-priority>**  
             <name>name</name>   <!-- identifier -->  
             <code-points>...</code-points>   <!-- mandatory -->  
           **</loss-priority>**  
           </frame-relay-de>  
           </loss-priority-maps>  
           </class-of-service>  
           </dynamic-profiles>  
         </configuration>

**Description**   Map code points to a loss priority.

**Contents**   <code-points>—List of bit strings.

          <name>—No documentation is available yet.

- high—Code points to classify to high loss priority.
- low—Code points to classify to low loss priority.
- medium-high—Code points to classify to medium-high loss priority.
- medium-low—Code points to classify to medium-low loss priority.

## **<loss-priority> (configuration/dynamic-profiles/class-of-service/rewrite-rules/dscp/forwarding-class)**

---

**Usage** <configuration>  
     <dynamic-profiles>  
         <class-of-service>  
             <rewrite-rules>  
                 <dscp>  
                     <forwarding-class>  
                         **<loss-priority>**  
                             <name>*name*</name>   <!-- identifier -->  
                             <code-point>*code-point*</code-point>   <!-- mandatory -->  
                         **</loss-priority>**  
                     </forwarding-class>  
                 </dscp>  
             </rewrite-rules>  
         </class-of-service>  
     </dynamic-profiles>  
 </configuration>

**Description** Code point marking based on loss priority.

**Contents** <code-point>—Code point aliases or bit string.

<name>—No documentation is available yet.

- high—Marking when loss priority is high.
- low—Marking when loss priority is low.
- medium-high—Marking when loss priority is medium-high.
- medium-low—Marking when loss priority is medium-low.

## **<loss-priority> (configuration/dynamic-profiles/ class-of-service/rewrite-rules/dscp-ipv6/forwarding-class)**

---

**Usage** <configuration>  
     <dynamic-profiles>  
         <class-of-service>  
             <rewrite-rules>  
                 <dscp-ipv6>  
                     <forwarding-class>  
                         **<loss-priority>**  
                             <name>*name*</name>   <!-- identifier -->  
                             <code-point>*code-point*</code-point>   <!-- mandatory -->  
                         **</loss-priority>**  
                     </forwarding-class>  
                 </dscp-ipv6>  
             </rewrite-rules>  
         </class-of-service>  
     </dynamic-profiles>  
 </configuration>

**Description** Code point marking based on loss priority.

**Contents** <code-point>—Code point aliases or bit string.

<name>—No documentation is available yet.

- high—Marking when loss priority is high.
- low—Marking when loss priority is low.
- medium-high—Marking when loss priority is medium-high.
- medium-low—Marking when loss priority is medium-low.

## **<loss-priority> (configuration/dynamic-profiles/class-of-service/rewrite-rules/exp/forwarding-class)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <class-of-service>  
           <rewrite-rules>  
           <exp>  
           <forwarding-class>  
             **<loss-priority>**  
               <name>*name*</name>   <!-- identifier -->  
               <code-point>*code-point*</code-point>   <!-- mandatory -->  
             **</loss-priority>**  
           </forwarding-class>  
         </exp>  
       </rewrite-rules>  
     </class-of-service>  
 </dynamic-profiles>  
</configuration>

**Description**   Code point marking based on loss priority.

**Contents**   <code-point>—Code point aliases or bit string.

          <name>—No documentation is available yet.

- high—Marking when loss priority is high.
- low—Marking when loss priority is low.
- medium-high—Marking when loss priority is medium-high.
- medium-low—Marking when loss priority is medium-low.

## **<loss-priority> (configuration/dynamic-profiles/ class-of-service/rewrite-rules/frame-relay-de/forwarding-class)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <class-of-service>  
           <rewrite-rules>  
           <frame-relay-de>  
           <forwarding-class>  
           **<loss-priority>**  
             <name>*name*</name>   <!-- identifier -->  
             <code-point>*code-point*</code-point>   <!-- mandatory -->  
           **</loss-priority>**  
           </forwarding-class>  
           </frame-relay-de>  
           </rewrite-rules>  
           </class-of-service>  
           </dynamic-profiles>  
         </configuration>

**Description**   Code point marking based on loss priority.

**Contents**   <code-point>—Code point aliases or bit string.

          <name>—No documentation is available yet.

- high—Marking when loss priority is high.
- low—Marking when loss priority is low.
- medium-high—Marking when loss priority is medium-high.
- medium-low—Marking when loss priority is medium-low.

## **<loss-priority> (configuration/dynamic-profiles/class-of-service/rewrite-rules/ieee-802.1ad/forwarding-class)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <class-of-service>  
           <rewrite-rules>  
           <ieee-802.1ad>  
           <forwarding-class>  
           **<loss-priority>**  
             <name>*name*</name>   <!-- identifier -->  
             <code-point>*code-point*</code-point>   <!-- mandatory -->  
           **</loss-priority>**  
           </forwarding-class>  
           </ieee-802.1ad>  
           </rewrite-rules>  
           </class-of-service>  
           </dynamic-profiles>  
         </configuration>

**Description**   Code point marking based on loss priority.

**Contents**   <code-point>—Code point aliases or bit string.

          <name>—No documentation is available yet.

- high—Marking when loss priority is high.
- low—Marking when loss priority is low.
- medium-high—Marking when loss priority is medium-high.
- medium-low—Marking when loss priority is medium-low.

## **<loss-priority> (configuration/dynamic-profiles/ class-of-service/rewrite-rules/ieee-802.1/forwarding-class)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <class-of-service>  
           <rewrite-rules>  
           <ieee-802.1>  
           <forwarding-class>  
           **<loss-priority>**  
             <name>*name*</name>   <!-- identifier -->  
             <code-point>*code-point*</code-point>   <!-- mandatory -->  
           **</loss-priority>**  
           </forwarding-class>  
           </ieee-802.1>  
           </rewrite-rules>  
           </class-of-service>  
           </dynamic-profiles>  
         </configuration>

**Description**   Code point marking based on loss priority.

**Contents**   <code-point>—Code point aliases or bit string.

          <name>—No documentation is available yet.

- high—Marking when loss priority is high.
- low—Marking when loss priority is low.
- medium-high—Marking when loss priority is medium-high.
- medium-low—Marking when loss priority is medium-low.

## **<loss-priority> (configuration/dynamic-profiles/class-of-service/rewrite-rules/inet-precedence/forwarding-class)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <class-of-service>  
           <rewrite-rules>  
           <inet-precedence>  
           <forwarding-class>  
           **<loss-priority>**  
             <name>*name*</name>   <!-- identifier -->  
             <code-point>*code-point*</code-point>   <!-- mandatory -->  
           **</loss-priority>**  
           </forwarding-class>  
           </inet-precedence>  
           </rewrite-rules>  
           </class-of-service>  
           </dynamic-profiles>  
         </configuration>

**Description**   Code point marking based on loss priority.

**Contents**   <code-point>—Code point aliases or bit string.

          <name>—No documentation is available yet.

- high—Marking when loss priority is high.
- low—Marking when loss priority is low.
- medium-high—Marking when loss priority is medium-high.
- medium-low—Marking when loss priority is medium-low.



**<loss-priority> (configuration/dynamic-profiles/interfaces/  
interface/gigether-options/ethernet-switch-profile/  
ethernet-policer-profile/output-priority-map/classifier/premium/  
forwarding-class)**

```

Usage  <configuration>
      <dynamic-profiles>
      <interfaces>
      <interface>
      <gigether-options>
      <ethernet-switch-profile>
      <ethernet-policer-profile>
      <output-priority-map>
      <classifier>
      <premium>
      <forwarding-class>
      <loss-priority>
      <name>name</name>    <!-- identifier -->
      </loss-priority>
      </forwarding-class>
      </premium>
      </classifier>
      </output-priority-map>
      </ethernet-policer-profile>
      </ethernet-switch-profile>
      </gigether-options>
      </interface>
      </interfaces>
      </dynamic-profiles>
      </configuration>

```

**Description** Select a loss priority.

- Contents** <name>—No documentation is available yet.
- high—Select high loss priority as premium policer.
  - low—Select low loss priority as premium policer.

**<loss-priority> (configuration/firewall/family/any/filter/term/ from)**

---

**Usage** <configuration>  
    <firewall>  
        <family>  
            <any>  
                <filter>  
                    <term>  
                        <from>  
                            **<loss-priority>**  
                                <name>*name*</name>   <!-- identifier -->  
                            **</loss-priority>**  
                        </from>  
                    </term>  
                </filter>  
            </any>  
        </family>  
    </firewall>  
</configuration>

**Description** Match Loss Priority.

**Contents** <name>—No documentation is available yet.

- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.

**<loss-priority> (configuration/firewall/family/bridge/filter/  
term/from)**

---

**Usage**   <configuration>  
          <firewall>  
          <family>  
          <bridge>  
          <filter>  
          <term>  
          <from>  
            **<loss-priority>**  
              <name>*name*</name>    <!-- identifier -->  
            **</loss-priority>**  
          </from>  
          </term>  
          </filter>  
          </bridge>  
          </family>  
          </firewall>  
          </configuration>

**Description**   Match Loss Priority.

**Contents**   <name>—No documentation is available yet.

- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.

**<loss-priority> (configuration/firewall/family/ccc/filter/term/ from)**

---

**Usage** <configuration>  
    <firewall>  
        <family>  
            <ccc>  
                <filter>  
                    <term>  
                        <from>  
                            **<loss-priority>**  
                                <name>*name*</name>   <!-- identifier -->  
                            **</loss-priority>**  
                        </from>  
                    </term>  
                </filter>  
            </ccc>  
        </family>  
    </firewall>  
</configuration>

**Description** Match Loss Priority.

**Contents** <name>—No documentation is available yet.

- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.

**<loss-priority> (configuration/firewall/family/inet/filter/term/  
from)**

---

**Usage**   <configuration>  
          <firewall>  
          <family>  
          <inet>  
          <filter>  
          <term>  
          <from>  
            **<loss-priority>**  
              <name>*name*</name>   <!-- identifier -->  
            **</loss-priority>**  
          </from>  
          </term>  
          </filter>  
          </inet>  
          </family>  
          </firewall>  
        </configuration>

**Description**   Match Loss Priority.

**Contents**   <name>—No documentation is available yet.

- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.

**<loss-priority> (configuration/firewall/family/inet/  
service-filter/term/from)**

---

**Usage** <configuration>  
    <firewall>  
        <family>  
            <inet>  
                <service-filter>  
                    <term>  
                        <from>  
                            **<loss-priority>**  
                                <name>*name*</name>   <!-- identifier -->  
                            **</loss-priority>**  
                        </from>  
                    </term>  
                </service-filter>  
            </inet>  
        </family>  
    </firewall>  
</configuration>

**Description** Match Loss Priority.

**Contents** <name>—No documentation is available yet.

- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.

**<loss-priority> (configuration/firewall/family/inet6/filter/term/from)**

---

**Usage**   <configuration>  
          <firewall>  
          <family>  
          <inet6>  
          <filter>  
          <term>  
          <from>  
              **<loss-priority>**  
              <name>*name*</name>   <!-- identifier -->  
              **</loss-priority>**  
          </from>  
          </term>  
          </filter>  
          </inet6>  
          </family>  
          </firewall>  
          </configuration>

**Description**   Match Loss Priority.

**Contents**   <name>—No documentation is available yet.

- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.

**<loss-priority> (configuration/firewall/family/mpls/filter/term/ from)**

---

**Usage** <configuration>  
    <firewall>  
        <family>  
            <mpls>  
                <filter>  
                    <term>  
                        <from>  
                            **<loss-priority>**  
                                <name>*name*</name>   <!-- identifier -->  
                            **</loss-priority>**  
                        </from>  
                    </term>  
                </filter>  
            </mpls>  
        </family>  
    </firewall>  
</configuration>

**Description** Match Loss Priority.

**Contents** <name>—No documentation is available yet.

- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.



**<loss-priority> (configuration/firewall/family/vpls/filter/term/  
from)**

---

**Usage**   <configuration>  
          <firewall>  
          <family>  
          <vpls>  
          <filter>  
          <term>  
          <from>  
              **<loss-priority>**  
              <name>*name*</name>   <!-- identifier -->  
              **</loss-priority>**  
          </from>  
          </term>  
          </filter>  
          </vpls>  
          </family>  
          </firewall>  
          </configuration>

**Description**   Match Loss Priority.

**Contents**   <name>—No documentation is available yet.

- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.

**<loss-priority> (configuration/firewall/filter/term/from)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;firewall&gt;     &lt;filter&gt;       &lt;term&gt;         &lt;from&gt;           &lt;loss-priority&gt;             &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;           &lt;/loss-priority&gt;         &lt;/from&gt;       &lt;/term&gt;     &lt;/filter&gt;   &lt;/firewall&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Match Loss Priority.
<b>Contents</b>	<p>&lt;name&gt;—No documentation is available yet.</p> <ul style="list-style-type: none"> <li>■ high—Loss priority high.</li> <li>■ low—Loss priority low.</li> <li>■ medium-high—Loss priority medium-high.</li> <li>■ medium-low—Loss priority medium-low.</li> </ul>

**<loss-priority> (configuration/firewall/three-color-policer/action)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;firewall&gt;     &lt;three-color-policer&gt;       &lt;action&gt;         &lt;loss-priority&gt;           &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;           &lt;then&gt;...&lt;/then&gt;         &lt;/loss-priority&gt;       &lt;/action&gt;     &lt;/three-color-policer&gt;   &lt;/firewall&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Loss priority for packet.
<b>Contents</b>	<p>&lt;name&gt;—Loss priority for packet.</p> <ul style="list-style-type: none"> <li>■ high—High loss priority.</li> </ul> <p>&lt;then&gt;—Action to take if the rate limits are exceeded.</p>

## **<loss-priority> (configuration/interfaces/interface/ gigether-options/ethernet-switch-profile/ ethernet-policer-profile/output-priority-map/classifier/premium/ forwarding-class)**

---

**Usage**   <configuration>  
          <interfaces>  
          <interface>  
          <gigether-options>  
          <ethernet-switch-profile>  
          <ethernet-policer-profile>  
          <output-priority-map>  
          <classifier>  
          <premium>  
          <forwarding-class>  
          **<loss-priority>**  
          <name>*name*</name>   <!-- identifier -->  
          **</loss-priority>**  
          </forwarding-class>  
          </premium>  
          </classifier>  
          </output-priority-map>  
          </ethernet-policer-profile>  
          </ethernet-switch-profile>  
          </gigether-options>  
          </interface>  
          </interfaces>  
          </configuration>

**Description**   Select a loss priority.

**Contents**   <name>—No documentation is available yet.

- high—Select high loss priority as premium policer.
- low—Select low loss priority as premium policer.

**<loss-priority> (configuration/logical-systems/firewall/family/any/filter/term/from)**

---

**Usage** <configuration>  
    <logical-systems>  
        <firewall>  
            <family>  
                <any>  
                    <filter>  
                        <term>  
                            <from>  
                                **<loss-priority>**  
                                    <name>name</name>   <!-- identifier -->  
                                **</loss-priority>**  
                            </from>  
                        </term>  
                    </filter>  
                </any>  
            </family>  
        </firewall>  
    </logical-systems>  
</configuration>

**Description** Match Loss Priority.

**Contents** <name>—No documentation is available yet.

- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.

**<loss-priority> (configuration/logical-systems/firewall/family/bridge/filter/term/from)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <firewall>  
          <family>  
          <bridge>  
          <filter>  
          <term>  
          <from>  
              **<loss-priority>**  
              <name>name</name>   <!-- identifier -->  
              **</loss-priority>**  
          </from>  
          </term>  
          </filter>  
          </bridge>  
          </family>  
          </firewall>  
          </logical-systems>  
          </configuration>

**Description**   Match Loss Priority.

- Contents**   <name>—No documentation is available yet.
- high—Loss priority high.
  - low—Loss priority low.
  - medium-high—Loss priority medium-high.
  - medium-low—Loss priority medium-low.

**<loss-priority> (configuration/logical-systems/firewall/family/ccc/filter/term/from)**

---

**Usage** <configuration>  
    <logical-systems>  
        <firewall>  
            <family>  
                <ccc>  
                    <filter>  
                        <term>  
                            <from>  
                                **<loss-priority>**  
                                    <name>name</name>   <!-- identifier -->  
                                **</loss-priority>**  
                            </from>  
                        </term>  
                    </filter>  
                </ccc>  
            </family>  
        </firewall>  
    </logical-systems>  
</configuration>

**Description** Match Loss Priority.

**Contents** <name>—No documentation is available yet.

- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.

**<loss-priority> (configuration/logical-systems/firewall/family/inet/filter/term/from)**

---

```
Usage  <configuration>
      <logical-systems>
      <firewall>
      <family>
      <inet>
      <filter>
      <term>
      <from>
          <loss-priority>
              <name>name</name>    <!-- identifier -->
          </loss-priority>
      </from>
      </term>
      </filter>
      </inet>
      </family>
      </firewall>
      </logical-systems>
      </configuration>
```

**Description** Match Loss Priority.

- Contents** <name>—No documentation is available yet.
- high—Loss priority high.
  - low—Loss priority low.
  - medium-high—Loss priority medium-high.
  - medium-low—Loss priority medium-low.

**<loss-priority> (configuration/logical-systems/firewall/family/inet/service-filter/term/from)**

---

**Usage** <configuration>  
    <logical-systems>  
        <firewall>  
            <family>  
                <inet>  
                    <service-filter>  
                        <term>  
                            <from>  
                                **<loss-priority>**  
                                    <name>name</name>   <!-- identifier -->  
                                **</loss-priority>**  
                            </from>  
                        </term>  
                    </service-filter>  
                </inet>  
            </family>  
        </firewall>  
    </logical-systems>  
</configuration>

**Description** Match Loss Priority.

**Contents** <name>—No documentation is available yet.

- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.



**<loss-priority> (configuration/logical-systems/firewall/family/inet6/filter/term/from)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <firewall>  
          <family>  
          <inet6>  
          <filter>  
          <term>  
          <from>  
              **<loss-priority>**  
              <name>name</name>   <!-- identifier -->  
              **</loss-priority>**  
          </from>  
          </term>  
          </filter>  
          </inet6>  
          </family>  
          </firewall>  
          </logical-systems>  
          </configuration>

**Description**   Match Loss Priority.

- Contents**   <name>—No documentation is available yet.
- high—Loss priority high.
  - low—Loss priority low.
  - medium-high—Loss priority medium-high.
  - medium-low—Loss priority medium-low.

**<loss-priority> (configuration/logical-systems/firewall/family/mpls/filter/term/from)**

---

**Usage** <configuration>  
    <logical-systems>  
        <firewall>  
            <family>  
                <mpls>  
                    <filter>  
                        <term>  
                            <from>  
                                **<loss-priority>**  
                                    <name>name</name>   <!-- identifier -->  
                                **</loss-priority>**  
                            </from>  
                        </term>  
                    </filter>  
                </mpls>  
            </family>  
        </firewall>  
    </logical-systems>  
</configuration>

**Description** Match Loss Priority.

**Contents** <name>—No documentation is available yet.

- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.

**<loss-priority> (configuration/logical-systems/firewall/family/vpls/filter/term/from)**

---

```
Usage  <configuration>
      <logical-systems>
      <firewall>
      <family>
      <vpls>
      <filter>
      <term>
      <from>
        <loss-priority>
          <name>name</name>    <!-- identifier -->
        </loss-priority>
      </from>
    </term>
  </filter>
</vpls>
</family>
</firewall>
</logical-systems>
</configuration>
```

**Description** Match Loss Priority.

- Contents** <name>—No documentation is available yet.
- high—Loss priority high.
  - low—Loss priority low.
  - medium-high—Loss priority medium-high.
  - medium-low—Loss priority medium-low.

## <loss-priority> (configuration/logical-systems/firewall/filter/term/from)

---

**Usage** <configuration>  
    <logical-systems>  
        <firewall>  
            <filter>  
                <term>  
                    <from>  
                        <loss-priority>  
                            <name>name</name>   <!-- identifier -->  
                        </loss-priority>  
                    </from>  
                </term>  
            </filter>  
        </firewall>  
    </logical-systems>  
</configuration>

**Description** Match Loss Priority.

**Contents** <name>—No documentation is available yet.

- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.

## **<loss-priority> (configuration/logical-systems/firewall/three-color-policer/action)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <firewall>  
           <three-color-policer>  
           <action>  
             **<loss-priority>**  
               <name>*name*</name>   <!-- identifier -->  
               <then>...</then>  
             **</loss-priority>**  
           </action>  
         </three-color-policer>  
       </firewall>  
     </logical-systems>  
 </configuration>

**Description**   Loss priority for packet.

**Contents**   <name>—Loss priority for packet.

■   high—High loss priority.

<then>—Action to take if the rate limits are exceeded.

## **<loss-priority-except> (configuration/firewall/family/any/filter/term/from)**

---

**Usage**   <configuration>  
          <firewall>  
          <family>  
          <any>  
          <filter>  
          <term>  
          <from>  
            **<loss-priority-except>**  
              <name>*name*</name>   <!-- identifier -->  
              **</loss-priority-except>**  
          </from>  
          </term>  
          </filter>  
          </any>  
          </family>  
          </firewall>  
        </configuration>

**Description**   Do not match Loss Priority.

**Contents**   <name>—No documentation is available yet.

- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.

## **<loss-priority-except> (configuration/firewall/family/bridge/ filter/term/from)**

---

**Usage**   <configuration>  
           <firewall>  
           <family>  
           <bridge>  
           <filter>  
           <term>  
           <from>  
               **<loss-priority-except>**  
               <name>*name*</name>   <!-- identifier -->  
               **</loss-priority-except>**  
           </from>  
           </term>  
           </filter>  
           </bridge>  
           </family>  
           </firewall>  
         </configuration>

**Description**   Do not match Loss Priority.

**Contents**   <name>—No documentation is available yet.

- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.

**<loss-priority-except> (configuration/firewall/family/ccc/  
filter/term/from)**

---

**Usage**   <configuration>  
          <firewall>  
          <family>  
          <ccc>  
          <filter>  
          <term>  
          <from>  
              **<loss-priority-except>**  
              <name>*name*</name>   <!-- identifier -->  
              **</loss-priority-except>**  
          </from>  
          </term>  
          </filter>  
          </ccc>  
          </family>  
          </firewall>  
          </configuration>

**Description**   Do not match Loss Priority.

**Contents**   <name>—No documentation is available yet.

- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.



**<loss-priority-except> (configuration/firewall/family/inet/  
filter/term/from)**

---

**Usage**   <configuration>  
          <firewall>  
          <family>  
          <inet>  
          <filter>  
          <term>  
          <from>  
              **<loss-priority-except>**  
              <name>*name*</name>   <!-- identifier -->  
              **</loss-priority-except>**  
          </from>  
          </term>  
          </filter>  
          </inet>  
          </family>  
          </firewall>  
          </configuration>

**Description**   Do not match Loss Priority.

**Contents**   <name>—No documentation is available yet.

- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.

**<loss-priority-except> (configuration/firewall/family/inet/service-filter/term/from)**

---

**Usage**   <configuration>  
          <firewall>  
          <family>  
          <inet>  
          <service-filter>  
          <term>  
          <from>  
            **<loss-priority-except>**  
              <name>*name*</name>   <!-- identifier -->  
            **</loss-priority-except>**  
          </from>  
          </term>  
          </service-filter>  
          </inet>  
          </family>  
          </firewall>  
          </configuration>

**Description**   Do not match Loss Priority.

**Contents**   <name>—No documentation is available yet.

- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.

**<loss-priority-except> (configuration/firewall/family/inet6/  
filter/term/from)**

---

**Usage**   <configuration>  
          <firewall>  
          <family>  
          <inet6>  
          <filter>  
          <term>  
          <from>  
              **<loss-priority-except>**  
              <name>*name*</name>   <!-- identifier -->  
              **</loss-priority-except>**  
          </from>  
          </term>  
          </filter>  
          </inet6>  
          </family>  
          </firewall>  
          </configuration>

**Description**   Do not match Loss Priority.

**Contents**   <name>—No documentation is available yet.

- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.

**<loss-priority-except> (configuration/firewall/family/mpls/  
filter/term/from)**

---

**Usage**   <configuration>  
          <firewall>  
          <family>  
          <mpls>  
          <filter>  
          <term>  
          <from>  
            **<loss-priority-except>**  
              <name>*name*</name>   <!-- identifier -->  
            **</loss-priority-except>**  
          </from>  
          </term>  
          </filter>  
          </mpls>  
          </family>  
          </firewall>  
          </configuration>

**Description**   Do not match Loss Priority.

**Contents**   <name>—No documentation is available yet.

- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.

## **<loss-priority-except> (configuration/firewall/family/vpls/ filter/term/from)**

---

**Usage**   <configuration>  
           <firewall>  
           <family>  
           <vpls>  
           <filter>  
           <term>  
           <from>  
               **<loss-priority-except>**  
               <name>*name*</name>   <!-- identifier -->  
               **</loss-priority-except>**  
           </from>  
           </term>  
           </filter>  
           </vpls>  
           </family>  
           </firewall>  
         </configuration>

**Description**   Do not match Loss Priority.

**Contents**   <name>—No documentation is available yet.

- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.

**<loss-priority-except> (configuration/firewall/filter/term/from)**

---

**Usage**   <configuration>  
          <firewall>  
          <filter>  
          <term>  
          <from>  
            **<loss-priority-except>**  
              <name>*name*</name>   <!-- identifier -->  
            **</loss-priority-except>**  
          </from>  
          </term>  
          </filter>  
          </firewall>  
          </configuration>

**Description**   Do not match Loss Priority.

**Contents**   <name>—No documentation is available yet.

- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.

**<loss-priority-except> (configuration/logical-systems/firewall/  
family/any/filter/term/from)**

---

```
Usage  <configuration>
      <logical-systems>
      <firewall>
      <family>
      <any>
      <filter>
      <term>
      <from>
          <loss-priority-except>
              <name>name</name>    <!-- identifier -->
          </loss-priority-except>
      </from>
      </term>
      </filter>
      </any>
      </family>
      </firewall>
      </logical-systems>
      </configuration>
```

**Description** Do not match Loss Priority.

- Contents** <name>—No documentation is available yet.
- high—Loss priority high.
  - low—Loss priority low.
  - medium-high—Loss priority medium-high.
  - medium-low—Loss priority medium-low.

## **<loss-priority-except> (configuration/logical-systems/firewall/family/bridge/filter/term/from)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <firewall>  
          <family>  
          <bridge>  
          <filter>  
          <term>  
          <from>  
            **<loss-priority-except>**  
              <name>name</name>   <!-- identifier -->  
            **</loss-priority-except>**  
          </from>  
          </term>  
          </filter>  
          </bridge>  
          </family>  
          </firewall>  
          </logical-systems>  
          </configuration>

**Description**   Do not match Loss Priority.

**Contents**   <name>—No documentation is available yet.

- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.



**<loss-priority-except> (configuration/logical-systems/firewall/family/ccc/filter/term/from)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <firewall>  
          <family>  
          <ccc>  
          <filter>  
          <term>  
          <from>  
              **<loss-priority-except>**  
              <name>name</name>   <!-- identifier -->  
              **</loss-priority-except>**  
          </from>  
          </term>  
          </filter>  
          </ccc>  
          </family>  
          </firewall>  
          </logical-systems>  
          </configuration>

**Description**   Do not match Loss Priority.

- Contents**   <name>—No documentation is available yet.
- high—Loss priority high.
  - low—Loss priority low.
  - medium-high—Loss priority medium-high.
  - medium-low—Loss priority medium-low.

**<loss-priority-except> (configuration/logical-systems/firewall/family/inet/filter/term/from)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <firewall>  
          <family>  
          <inet>  
          <filter>  
          <term>  
          <from>  
            **<loss-priority-except>**  
              <name>name</name>   <!-- identifier -->  
            **</loss-priority-except>**  
          </from>  
          </term>  
          </filter>  
          </inet>  
          </family>  
          </firewall>  
          </logical-systems>  
          </configuration>

**Description**   Do not match Loss Priority.

**Contents**   <name>—No documentation is available yet.

- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.

**<loss-priority-except> (configuration/logical-systems/firewall/  
family/inet/service-filter/term/from)**

---

```
Usage  <configuration>
      <logical-systems>
      <firewall>
      <family>
      <inet>
      <service-filter>
      <term>
      <from>
          <loss-priority-except>
              <name>name</name>    <!-- identifier -->
          </loss-priority-except>
      </from>
      </term>
      </service-filter>
      </inet>
      </family>
      </firewall>
      </logical-systems>
      </configuration>
```

**Description** Do not match Loss Priority.

- Contents** <name>—No documentation is available yet.
- high—Loss priority high.
  - low—Loss priority low.
  - medium-high—Loss priority medium-high.
  - medium-low—Loss priority medium-low.

## **<loss-priority-except> (configuration/logical-systems/firewall/family/inet6/filter/term/from)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <firewall>  
          <family>  
          <inet6>  
          <filter>  
          <term>  
          <from>  
            **<loss-priority-except>**  
              <name>name</name>   <!-- identifier -->  
            **</loss-priority-except>**  
          </from>  
          </term>  
          </filter>  
          </inet6>  
          </family>  
          </firewall>  
          </logical-systems>  
          </configuration>

**Description**   Do not match Loss Priority.

**Contents**   <name>—No documentation is available yet.

- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.

**<loss-priority-except> (configuration/logical-systems/firewall/  
family/mpls/filter/term/from)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <firewall>  
          <family>  
          <mpls>  
          <filter>  
          <term>  
          <from>  
              **<loss-priority-except>**  
              <name>name</name>   <!-- identifier -->  
              **</loss-priority-except>**  
          </from>  
          </term>  
          </filter>  
          </mpls>  
          </family>  
          </firewall>  
          </logical-systems>  
          </configuration>

**Description**   Do not match Loss Priority.

- Contents**   <name>—No documentation is available yet.
- high—Loss priority high.
  - low—Loss priority low.
  - medium-high—Loss priority medium-high.
  - medium-low—Loss priority medium-low.

**<loss-priority-except> (configuration/logical-systems/firewall/family/vpls/filter/term/from)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <firewall>  
          <family>  
          <vpls>  
          <filter>  
          <term>  
          <from>  
            **<loss-priority-except>**  
              <name>name</name>   <!-- identifier -->  
            **</loss-priority-except>**  
          </from>  
          </term>  
          </filter>  
          </vpls>  
          </family>  
          </firewall>  
          </logical-systems>  
          </configuration>

**Description**   Do not match Loss Priority.

**Contents**   <name>—No documentation is available yet.

- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.

## **<loss-priority-except> (configuration/logical-systems/firewall/filter/term/from)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;firewall&gt;       &lt;filter&gt;         &lt;term&gt;           &lt;from&gt;             &lt;loss-priority-except&gt;               &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;             &lt;/loss-priority-except&gt;           &lt;/from&gt;         &lt;/term&gt;       &lt;/filter&gt;     &lt;/firewall&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Do not match Loss Priority.
<b>Contents</b>	<p>&lt;name&gt;—No documentation is available yet.</p> <ul style="list-style-type: none"> <li>■ high—Loss priority high.</li> <li>■ low—Loss priority low.</li> <li>■ medium-high—Loss priority medium-high.</li> <li>■ medium-low—Loss priority medium-low.</li> </ul>

## **<loss-priority-maps> (configuration/class-of-service)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;class-of-service&gt;     &lt;loss-priority-maps&gt;       &lt;frame-relay-de&gt;...&lt;/frame-relay-de&gt;     &lt;/loss-priority-maps&gt;   &lt;/class-of-service&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Map loss priority of incoming packets based on code point value.
<b>Contents</b>	<frame-relay-de>—Frame relay discard eligible bit loss priority map.

## **<loss-priority-maps> (configuration/class-of-service/interfaces/interface/unit)**

---

**Usage** <configuration>  
           <class-of-service>  
           <interfaces>  
           <interface>  
           <unit>  
             **<loss-priority-maps>**  
               <frame-relay-de>...</frame-relay-de>  
             **</loss-priority-maps>**  
           </unit>  
         </interface>  
       </interfaces>  
     </class-of-service>  
 </configuration>

**Description** Loss priority maps applied to incoming packets.

**Contents** <frame-relay-de>—Frame Relay discard eligible bit loss priority map.

## **<loss-priority-maps> (configuration/dynamic-profiles/class-of-service)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <class-of-service>  
             **<loss-priority-maps>**  
               <frame-relay-de>...</frame-relay-de>  
             **</loss-priority-maps>**  
           </class-of-service>  
         </dynamic-profiles>  
 </configuration>

**Description** Map loss priority of incoming packets based on code point value.

**Contents** <frame-relay-de>—Frame relay discard eligible bit loss priority map.



## **<loss-priority-maps> (configuration/dynamic-profiles/class-of-service/interfaces/interface/unit)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <class-of-service>  
           <interfaces>  
           <interface>  
           <unit>  
             **<loss-priority-maps>**  
               <frame-relay-de>...</frame-relay-de>  
             **</loss-priority-maps>**  
           </unit>  
         </interface>  
       </interfaces>  
     </class-of-service>  
 </dynamic-profiles>  
</configuration>

**Description**   Loss priority maps applied to incoming packets.

**Contents**    <frame-relay-de>—Frame Relay discard eligible bit loss priority map.

## **<lsp> (configuration/logical-systems/policy-options/policy-statement/from/prefix-list-filter/install-nexthop)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <policy-options>  
           <policy-statement>  
           <from>  
             <prefix-list-filter>  
             <install-nexthop>  
               **<lsp>**  
                 <name>*name*</name>   <!-- identifier -->  
               **</lsp>**  
             </install-nexthop>  
           </prefix-list-filter>  
         </from>  
       </policy-statement>  
     </policy-options>  
 </logical-systems>  
</configuration>

**Description**   Next-hop LSP name.

**Contents**    <name>—Next-hop LSP name.

## **<lsp> (configuration/logical-systems/policy-options/policy-statement/from/prefix-list-filter/install-nexthop/except)**

---

**Usage** <configuration>  
 <logical-systems>  
 <policy-options>  
 <policy-statement>  
 <from>  
 <prefix-list-filter>  
 <install-nexthop>  
 <except>  
   **<lsp>**  
     <name>name</name>   <!-- identifier -->  
   **</lsp>**  
 </except>  
 </install-nexthop>  
 </prefix-list-filter>  
 </from>  
 </policy-statement>  
 </policy-options>  
 </logical-systems>  
 </configuration>

**Description** Next-hop LSP name.

**Contents** <name>—Next-hop LSP name.

## **<lsp> (configuration/logical-systems/policy-options/policy-statement/from/route-filter/install-nexthop)**

---

**Usage** <configuration>  
 <logical-systems>  
 <policy-options>  
 <policy-statement>  
 <from>  
 <route-filter>  
 <install-nexthop>  
   **<lsp>**  
     <name>name</name>   <!-- identifier -->  
   **</lsp>**  
 </install-nexthop>  
 </route-filter>  
 </from>  
 </policy-statement>  
 </policy-options>  
 </logical-systems>  
 </configuration>

**Description** Next-hop LSP name.

**Contents** <name>—Next-hop LSP name.

## **<lsp> (configuration/logical-systems/policy-options/ policy-statement/from/route-filter/install-nexthop/except)**

---

**Usage** <configuration>  
     <logical-systems>  
         <policy-options>  
             <policy-statement>  
                 <from>  
                     <route-filter>  
                         <install-nexthop>  
                             <except>  
                                 **<lsp>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</lsp>**  
                             </except>  
                         </install-nexthop>  
                 </route-filter>  
             </from>  
         </policy-statement>  
     </policy-options>  
 </logical-systems>  
</configuration>

**Description** Next-hop LSP name.

**Contents** <name>—Next-hop LSP name.

## **<lsp> (configuration/logical-systems/policy-options/ policy-statement/from/source-address-filter/install-nexthop)**

---

**Usage** <configuration>  
     <logical-systems>  
         <policy-options>  
             <policy-statement>  
                 <from>  
                     <source-address-filter>  
                         <install-nexthop>  
                             **<lsp>**  
                                 <name>name</name>   <!-- identifier -->  
                             **</lsp>**  
                         </install-nexthop>  
                 </source-address-filter>  
             </from>  
         </policy-statement>  
     </policy-options>  
 </logical-systems>  
</configuration>

**Description** Next-hop LSP name.

**Contents** <name>—Next-hop LSP name.

**<lsp> (configuration/logical-systems/policy-options/  
policy-statement/from/source-address-filter/install-nexthop/  
except)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <policy-options>  
          <policy-statement>  
          <from>  
          <source-address-filter>  
          <install-nexthop>  
          <except>  
          **<lsp>**  
            <name>name</name>   <!-- identifier -->  
          **</lsp>**  
          </except>  
          </install-nexthop>  
          </source-address-filter>  
          </from>  
          </policy-statement>  
          </policy-options>  
          </logical-systems>  
          </configuration>

**Description**   Next-hop LSP name.

**Contents**    <name>—Next-hop LSP name.

**<lsp> (configuration/logical-systems/policy-options/  
policy-statement/term/from/prefix-list-filter/install-nexthop)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <policy-options>  
          <policy-statement>  
          <term>  
          <from>  
          <prefix-list-filter>  
          <install-nexthop>  
          **<lsp>**  
            <name>*name*</name>   <!-- identifier -->  
          **</lsp>**  
          </install-nexthop>  
          </prefix-list-filter>  
          </from>  
          </term>  
          </policy-statement>  
          </policy-options>  
          </logical-systems>  
          </configuration>

**Description**   Next-hop LSP name.

**Contents**    <name>—Next-hop LSP name.

## **<lsp> (configuration/logical-systems/policy-options/ policy-statement/term/from/prefix-list-filter/install-nexthop/ except)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <policy-options>
      <policy-statement>
        <term>
          <from>
            <prefix-list-filter>
              <install-nexthop>
                <except>
                  <lsp>
                    <name>name</name>    <!-- identifier -->
                  </lsp>
                </except>
              </install-nexthop>
            </prefix-list-filter>
          </from>
        </term>
      </policy-statement>
    </policy-options>
  </logical-systems>
</configuration>

```

**Description** Next-hop LSP name.

**Contents** <name>—Next-hop LSP name.

**<lsp> (configuration/logical-systems/policy-options/  
policy-statement/term/from/route-filter/install-nexthop)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <policy-options>  
          <policy-statement>  
          <term>  
          <from>  
          <route-filter>  
          <install-nexthop>  
          **<lsp>**  
            <name>name</name>   <!-- identifier -->  
          **</lsp>**  
          </install-nexthop>  
          </route-filter>  
          </from>  
          </term>  
          </policy-statement>  
          </policy-options>  
          </logical-systems>  
          </configuration>

**Description**   Next-hop LSP name.

**Contents**    <name>—Next-hop LSP name.

**<lsp> (configuration/logical-systems/policy-options/  
policy-statement/term/from/route-filter/install-nexthop/except)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <policy-options>  
          <policy-statement>  
          <term>  
          <from>  
          <route-filter>  
          <install-nexthop>  
          <except>  
          **<lsp>**  
            <name>name</name>   <!-- identifier -->  
          **</lsp>**  
          </except>  
          </install-nexthop>  
          </route-filter>  
          </from>  
          </term>  
          </policy-statement>  
          </policy-options>  
          </logical-systems>  
          </configuration>

**Description**   Next-hop LSP name.

**Contents**    <name>—Next-hop LSP name.



**<lsp> (configuration/logical-systems/policy-options/  
policy-statement/term/from/source-address-filter/install-nexthop)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <policy-options>  
          <policy-statement>  
          <term>  
          <from>  
          <source-address-filter>  
          <install-nexthop>  
          **<lsp>**  
            <name>name</name>    <!-- identifier -->  
          **</lsp>**  
          </install-nexthop>  
          </source-address-filter>  
          </from>  
          </term>  
          </policy-statement>  
          </policy-options>  
          </logical-systems>  
          </configuration>

**Description**   Next-hop LSP name.

**Contents**   <name>—Next-hop LSP name.

## **<lsp> (configuration/logical-systems/policy-options/ policy-statement/term/from/source-address-filter/install-nexthop/ except)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <policy-options>
      <policy-statement>
        <term>
          <from>
            <source-address-filter>
              <install-nexthop>
                <except>
                  <lsp>
                    <name>name</name>    <!-- identifier -->
                  </lsp>
                </except>
              </install-nexthop>
            </source-address-filter>
          </from>
        </term>
      </policy-statement>
    </policy-options>
  </logical-systems>
</configuration>

```

**Description** Next-hop LSP name.

**Contents** <name>—Next-hop LSP name.

**<lsp> (configuration/logical-systems/policy-options/  
policy-statement/term/then/install-nexthop)**

---

**Usage** <configuration>  
           <logical-systems>  
           <policy-options>  
           <policy-statement>  
           <term>  
           <then>  
           <install-nexthop>  
           **<lsp>**  
           <name>name</name>   <!-- identifier -->  
           **</lsp>**  
           </install-nexthop>  
           </then>  
           </term>  
           </policy-statement>  
           </policy-options>  
           </logical-systems>  
           </configuration>

**Description** Next-hop LSP name.

**Contents** <name>—Next-hop LSP name.

**<lsp> (configuration/logical-systems/policy-options/  
policy-statement/term/then/install-nexthop/except)**

---

**Usage** <configuration>  
           <logical-systems>  
           <policy-options>  
           <policy-statement>  
           <term>  
           <then>  
           <install-nexthop>  
           <except>  
           **<lsp>**  
           <name>name</name>   <!-- identifier -->  
           **</lsp>**  
           </except>  
           </install-nexthop>  
           </then>  
           </term>  
           </policy-statement>  
           </policy-options>  
           </logical-systems>  
           </configuration>

**Description** Next-hop LSP name.

**Contents** <name>—Next-hop LSP name.

## **<lsp> (configuration/logical-systems/policy-options/ policy-statement/then/install-nexthop)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;policy-options&gt;       &lt;policy-statement&gt;         &lt;then&gt;           &lt;install-nexthop&gt;             <b>&lt;lsp&gt;</b>               &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;             <b>&lt;/lsp&gt;</b>           &lt;/install-nexthop&gt;         &lt;/then&gt;       &lt;/policy-statement&gt;     &lt;/policy-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Next-hop LSP name.
<b>Contents</b>	<name>—Next-hop LSP name.

## **<lsp> (configuration/logical-systems/policy-options/ policy-statement/then/install-nexthop/except)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;policy-options&gt;       &lt;policy-statement&gt;         &lt;then&gt;           &lt;install-nexthop&gt;             &lt;except&gt;               <b>&lt;lsp&gt;</b>                 &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;               <b>&lt;/lsp&gt;</b>             &lt;/except&gt;           &lt;/install-nexthop&gt;         &lt;/then&gt;       &lt;/policy-statement&gt;     &lt;/policy-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Next-hop LSP name.
<b>Contents</b>	<name>—Next-hop LSP name.

## **<lsp> (configuration/policy-options/policy-statement/from/prefix-list-filter/install-nexthop)**

---

**Usage**   <configuration>  
           <policy-options>  
           <policy-statement>  
           <from>  
           <prefix-list-filter>  
           <install-nexthop>  
           **<lsp>**  
             <name>*name*</name>   <!-- identifier -->  
           **</lsp>**  
           </install-nexthop>  
           </prefix-list-filter>  
           </from>  
           </policy-statement>  
           </policy-options>  
         </configuration>

**Description**   Next-hop LSP name.

**Contents**    <name>—Next-hop LSP name.

## **<lsp> (configuration/policy-options/policy-statement/from/prefix-list-filter/install-nexthop/except)**

---

**Usage**   <configuration>  
           <policy-options>  
           <policy-statement>  
           <from>  
           <prefix-list-filter>  
           <install-nexthop>  
           <except>  
           **<lsp>**  
             <name>*name*</name>   <!-- identifier -->  
           **</lsp>**  
           </except>  
           </install-nexthop>  
           </prefix-list-filter>  
           </from>  
           </policy-statement>  
           </policy-options>  
         </configuration>

**Description**   Next-hop LSP name.

**Contents**    <name>—Next-hop LSP name.

## **<lsp> (configuration/policy-options/policy-statement/from/route-filter/install-nexthop)**

---

**Usage** <configuration>  
           <policy-options>  
             <policy-statement>  
               <from>  
                 <route-filter>  
                   <install-nexthop>  
                     **<lsp>**  
                       <name>name</name>   <!-- identifier -->  
                     **</lsp>**  
                   </install-nexthop>  
                 </route-filter>  
               </from>  
             </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Next-hop LSP name.

**Contents** <name>—Next-hop LSP name.

## **<lsp> (configuration/policy-options/policy-statement/from/route-filter/install-nexthop/except)**

---

**Usage** <configuration>  
           <policy-options>  
             <policy-statement>  
               <from>  
                 <route-filter>  
                   <install-nexthop>  
                     <except>  
                       **<lsp>**  
                       <name>name</name>   <!-- identifier -->  
                       **</lsp>**  
                     </except>  
                   </install-nexthop>  
                 </route-filter>  
               </from>  
             </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Next-hop LSP name.

**Contents** <name>—Next-hop LSP name.

### **<lsp> (configuration/policy-options/policy-statement/from/source-address-filter/install-nexthop)**

---

**Usage** <configuration>  
           <policy-options>  
             <policy-statement>  
               <from>  
                 <source-address-filter>  
                   <install-nexthop>  
                     **<lsp>**  
                       <name>*name*</name>   <!-- identifier -->  
                     **</lsp>**  
                   </install-nexthop>  
                 </source-address-filter>  
               </from>  
             </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Next-hop LSP name.

**Contents** <name>—Next-hop LSP name.

### **<lsp> (configuration/policy-options/policy-statement/from/source-address-filter/install-nexthop/except)**

---

**Usage** <configuration>  
           <policy-options>  
             <policy-statement>  
               <from>  
                 <source-address-filter>  
                   <install-nexthop>  
                     <except>  
                       **<lsp>**  
                       <name>*name*</name>   <!-- identifier -->  
                       **</lsp>**  
                     </except>  
                 </install-nexthop>  
               </source-address-filter>  
               </from>  
             </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Next-hop LSP name.

**Contents** <name>—Next-hop LSP name.

## **<lsp> (configuration/policy-options/policy-statement/term/from/prefix-list-filter/install-nexthop)**

---

**Usage** <configuration>  
 <policy-options>  
 <policy-statement>  
 <term>  
 <from>  
 <prefix-list-filter>  
 <install-nexthop>  
 <lsp>  
 <name>name</name> <!-- identifier -->  
 </lsp>  
 </install-nexthop>  
 </prefix-list-filter>  
 </from>  
 </term>  
 </policy-statement>  
 </policy-options>  
 </configuration>

**Description** Next-hop LSP name.

**Contents** <name>—Next-hop LSP name.

## **<lsp> (configuration/policy-options/policy-statement/term/from/prefix-list-filter/install-nexthop/except)**

---

**Usage** <configuration>  
 <policy-options>  
 <policy-statement>  
 <term>  
 <from>  
 <prefix-list-filter>  
 <install-nexthop>  
 <except>  
 <lsp>  
 <name>name</name> <!-- identifier -->  
 </lsp>  
 </except>  
 </install-nexthop>  
 </prefix-list-filter>  
 </from>  
 </term>  
 </policy-statement>  
 </policy-options>  
 </configuration>

**Description** Next-hop LSP name.

**Contents** <name>—Next-hop LSP name.



## **<lsp> (configuration/policy-options/policy-statement/term/from/route-filter/install-nexthop)**

---

**Usage** <configuration>  
     <policy-options>  
         <policy-statement>  
             <term>  
                 <from>  
                     <route-filter>  
                         <install-nexthop>  
                             **<lsp>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</lsp>**  
                         </install-nexthop>  
                     </route-filter>  
                 </from>  
             </term>  
         </policy-statement>  
     </policy-options>  
 </configuration>

**Description** Next-hop LSP name.

**Contents** <name>—Next-hop LSP name.

## **<lsp> (configuration/policy-options/policy-statement/term/from/route-filter/install-nexthop/except)**

---

**Usage** <configuration>  
     <policy-options>  
         <policy-statement>  
             <term>  
                 <from>  
                     <route-filter>  
                         <install-nexthop>  
                             <except>  
                                 **<lsp>**  
                                     <name>*name*</name>   <!-- identifier -->  
                                 **</lsp>**  
                             </except>  
                         </install-nexthop>  
                     </route-filter>  
                 </from>  
             </term>  
         </policy-statement>  
     </policy-options>  
 </configuration>

**Description** Next-hop LSP name.

**Contents** <name>—Next-hop LSP name.

## **<lsp> (configuration/policy-options/policy-statement/term/from/source-address-filter/install-nexthop)**

---

**Usage** <configuration>  
     <policy-options>  
         <policy-statement>  
             <term>  
                 <from>  
                     <source-address-filter>  
                         <install-nexthop>  
                             **<lsp>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</lsp>**  
                         </install-nexthop>  
                     </source-address-filter>  
                 </from>  
             </term>  
         </policy-statement>  
     </policy-options>  
</configuration>

**Description** Next-hop LSP name.

**Contents** <name>—Next-hop LSP name.

## **<lsp> (configuration/policy-options/policy-statement/term/from/source-address-filter/install-nexthop/except)**

---

**Usage** <configuration>  
     <policy-options>  
         <policy-statement>  
             <term>  
                 <from>  
                     <source-address-filter>  
                         <install-nexthop>  
                             <except>  
                                 **<lsp>**  
                                     <name>*name*</name>   <!-- identifier -->  
                                 **</lsp>**  
                             </except>  
                         </install-nexthop>  
                     </source-address-filter>  
                 </from>  
             </term>  
         </policy-statement>  
     </policy-options>  
</configuration>

**Description** Next-hop LSP name.

**Contents** <name>—Next-hop LSP name.

## **<lsp> (configuration/policy-options/policy-statement/term/then/install-nexthop)**

---

**Usage**   <configuration>  
           <policy-options>  
           <policy-statement>  
           <term>  
           <then>  
           <install-nexthop>  
           **<lsp>**  
             <name>*name*</name>   <!-- identifier -->  
           **</lsp>**  
           </install-nexthop>  
           </then>  
           </term>  
           </policy-statement>  
           </policy-options>  
         </configuration>

**Description**   Next-hop LSP name.

**Contents**    <name>—Next-hop LSP name.

## **<lsp> (configuration/policy-options/policy-statement/term/then/install-nexthop/except)**

---

**Usage**   <configuration>  
           <policy-options>  
           <policy-statement>  
           <term>  
           <then>  
           <install-nexthop>  
           <except>  
           **<lsp>**  
             <name>*name*</name>   <!-- identifier -->  
           **</lsp>**  
           </except>  
           </install-nexthop>  
           </then>  
           </term>  
           </policy-statement>  
           </policy-options>  
         </configuration>

**Description**   Next-hop LSP name.

**Contents**    <name>—Next-hop LSP name.

## **<lsp> (configuration/policy-options/policy-statement/then/install-nexthop)**

---

**Usage** <configuration>  
           <policy-options>  
           <policy-statement>  
           <then>  
           <install-nexthop>  
           **<lsp>**  
           <name>*name*</name>   <!-- identifier -->  
           **</lsp>**  
           </install-nexthop>  
           </then>  
           </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Next-hop LSP name.

**Contents** <name>—Next-hop LSP name.

## **<lsp> (configuration/policy-options/policy-statement/then/install-nexthop/except)**

---

**Usage** <configuration>  
           <policy-options>  
           <policy-statement>  
           <then>  
           <install-nexthop>  
           <except>  
           **<lsp>**  
           <name>*name*</name>   <!-- identifier -->  
           **</lsp>**  
           </except>  
           </install-nexthop>  
           </then>  
           </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Next-hop LSP name.

**Contents** <name>—Next-hop LSP name.

## <lsp-attributes> (configuration/logical-systems/protocols/mpls/label-switched-path)

---

**Usage** <configuration>  
     <logical-systems>  
         <protocols>  
             <mpls>  
                 <label-switched-path>  
                     **<lsp-attributes>**  
                         <signal-bandwidth>*signal-bandwidth-choice*</signal-bandwidth>  
                         <switching-type>*switching-type-choice*  
                             </switching-type>   <!-- mandatory -->  
                         <encoding-type>*encoding-type-choice*</encoding-type>  
                         <gp-id>*gp-id-choice*</gp-id>  
                     **</lsp-attributes>**  
                 </label-switched-path>  
             </mpls>  
         </protocols>  
     </logical-systems>  
</configuration>

**Description** Attributes for generalized LSP.

**Contents** <encoding-type>—LSP encoding type desired.

- ethernet—Ethernet encoding.
- packet—Packet encoding.
- pdh—PDH encoding.
- sonet-sdh—SONET-SDH encoding.

<gp-id>—Generalized PID.

- ethernet—No documentation is available yet.
- hdlc—No documentation is available yet.
- ipv4—No documentation is available yet.
- pos-no-scrambling-crc-16—No documentation is available yet.
- pos-no-scrambling-crc-32—No documentation is available yet.
- pos-scrambling-crc-16—No documentation is available yet.
- pos-scrambling-crc-32—No documentation is available yet.
- ppp—No documentation is available yet.

<signal-bandwidth>—Signal bandwidth for the LSP.

- 10gigether—10000.00 Mbps.

- ds1—1.544 Mbps.
- ds3—44.736 Mbps.
- e1—2.048 Mbps.
- e3—34.368 Mbps.
- ethernet—10 Mbps.
- fastether—100.00 Mbps.
- gigether—1000.00 Mbps.
- stm-1—155.52 Mbps.
- stm-16—2488.32 Mbps.
- stm-256—39813.12 Mbps.
- stm-4—622.08 Mbps.
- stm-64—9953.28 Mbps.
- sts-1—51.84 Mbps.
- vt1-5—1.728 Mbps.
- vt2—2.304 Mbps.

<switching-type>—LSP switching type desired.

- fiber—Fiber switching.
- lambda—Lambda switching.
- psc-1—Packet switching.
- tdm—TDM switching.

## **<lsp-attributes> (configuration/protocols/mpls/label-switched-path)**

---

**Usage**   <configuration>  
               <protocols>  
                   <mpls>  
                       <label-switched-path>  
                           **<lsp-attributes>**  
                               <signal-bandwidth>*signal-bandwidth-choice*</signal-bandwidth>  
                               <switching-type>*switching-type-choice*</switching-type>   <!-- mandatory -->  
                               <encoding-type>*encoding-type-choice*</encoding-type>  
                               <gpId>*gpId-choice*</gpId>  
                           **</lsp-attributes>**  
                       </label-switched-path>  
                   </mpls>  
               </protocols>  
           </configuration>

**Description**   Attributes for generalized LSP.

**Contents**   <encoding-type>—LSP encoding type desired.

- ethernet—Ethernet encoding.
- packet—Packet encoding.
- pdh—PDH encoding.
- sonet-sdh—SONET-SDH encoding.

<gpId>—Generalized PID.

- ethernet—No documentation is available yet.
- hdlc—No documentation is available yet.
- ipv4—No documentation is available yet.
- pos-no-scrambling-crc-16—No documentation is available yet.
- pos-no-scrambling-crc-32—No documentation is available yet.
- pos-scrambling-crc-16—No documentation is available yet.
- pos-scrambling-crc-32—No documentation is available yet.
- ppp—No documentation is available yet.

<signal-bandwidth>—Signal bandwidth for the LSP.

- 10gigether—10000.00 Mbps.
- ds1—1.544 Mbps.
- ds3—44.736 Mbps.

- e1—2.048 Mbps.
  - e3—34.368 Mbps.
  - ethernet—10 Mbps.
  - fastether—100.00 Mbps.
  - gigether—1000.00 Mbps.
  - stm-1—155.52 Mbps.
  - stm-16—2488.32 Mbps.
  - stm-256—39813.12 Mbps.
  - stm-4—622.08 Mbps.
  - stm-64—9953.28 Mbps.
  - sts-1—51.84 Mbps.
  - vt1-5—1.728 Mbps.
  - vt2—2.304 Mbps.
- <switching-type>—LSP switching type desired.
- fiber—Fiber switching.
  - lambda—Lambda switching.
  - psc-1—Packet switching.
  - tdm—TDM switching.



## **<lsp-next-hop> (configuration/class-of-service/forwarding-policy/next-hop-map/forwarding-class)**

---

**Usage** <configuration>  
     <class-of-service>  
         <forwarding-policy>  
             <next-hop-map>  
                 <forwarding-class>  
                     **<lsp-next-hop>**  
                         <name>*name*</name>   <!-- identifier -->  
                     **</lsp-next-hop>**  
                 </forwarding-class>  
             </next-hop-map>  
         </forwarding-policy>  
     </class-of-service>  
 </configuration>

**Description** Regular expression for LSP next hop.

**Contents** <name>—Regular expression for LSP next hop.

## **<lsp-next-hop> (configuration/dynamic-profiles/class-of-service/forwarding-policy/next-hop-map/forwarding-class)**

---

**Usage** <configuration>  
     <dynamic-profiles>  
         <class-of-service>  
             <forwarding-policy>  
                 <next-hop-map>  
                     <forwarding-class>  
                         **<lsp-next-hop>**  
                             <name>*name*</name>   <!-- identifier -->  
                         **</lsp-next-hop>**  
                     </forwarding-class>  
                 </next-hop-map>  
             </forwarding-policy>  
         </class-of-service>  
     </dynamic-profiles>  
 </configuration>

**Description** Regular expression for LSP next hop.

**Contents** <name>—Regular expression for LSP next hop.

## **<lsp-next-hop> (configuration/logical-systems/routing-instances/instance/routing-options/rib/static/iso-route)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <routing-options>
          <rib>
            <static>
              <iso-route>
                <lsp-next-hop>
                  <name>name</name>    <!-- identifier -->
                  <preference>preference</preference>
                  <metric>metric</metric>
                </lsp-next-hop>
              </iso-route>
            </static>
          </rib>
        </routing-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** LSP next hop.

**Contents** <metric>—Metric of LSP next hop.

<name>—LSP to use to reach destination.

<preference>—Preference of LSP next hop.

**<lsp-next-hop> (configuration/logical-systems/routing-instances/instance/routing-options/rib/static/route)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <rib>  
          <static>  
          <route>  
            **<lsp-next-hop>**  
              <name>*name*</name>   <!-- identifier -->  
              <preference>*preference*</preference>  
              <metric>*metric*</metric>  
            **</lsp-next-hop>**  
          </route>  
          </static>  
          </rib>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   LSP next hop.

- Contents**   <metric>—Metric of LSP next hop.
- <name>—LSP to use to reach destination.
- <preference>—Preference of LSP next hop.

## **<lsp-next-hop> (configuration/logical-systems/routing-instances/instance/routing-options/static/iso-route)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <routing-options>  
           <static>  
           <iso-route>  
             **<lsp-next-hop>**  
               <name>*name*</name>   <!-- identifier -->  
               <preference>*preference*</preference>  
               <metric>*metric*</metric>  
             **</lsp-next-hop>**  
           </iso-route>  
           </static>  
           </routing-options>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
         </configuration>

**Description**   LSP next hop.

**Contents**   <metric>—Metric of LSP next hop.

          <name>—LSP to use to reach destination.

          <preference>—Preference of LSP next hop.

**<lsp-next-hop> (configuration/logical-systems/routing-instances/instance/routing-options/static/route)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <static>  
          <route>  
            **<lsp-next-hop>**  
              <name>*name*</name>   <!-- identifier -->  
              <preference>*preference*</preference>  
              <metric>*metric*</metric>  
            **</lsp-next-hop>**  
          </route>  
          </static>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   LSP next hop.

- Contents**   <metric>—Metric of LSP next hop.
- <name>—LSP to use to reach destination.
- <preference>—Preference of LSP next hop.

**<lsp-next-hop> (configuration/logical-systems/routing-options/rib/static/iso-route)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-options>  
          <rib>  
          <static>  
          <iso-route>  
            **<lsp-next-hop>**  
              <name>*name*</name>    <!-- identifier -->  
              <preference>*preference*</preference>  
              <metric>*metric*</metric>  
            **</lsp-next-hop>**  
          </iso-route>  
          </static>  
          </rib>  
          </routing-options>  
          </logical-systems>  
          </configuration>

**Description**   LSP next hop.

**Contents**   <metric>—Metric of LSP next hop.

          <name>—LSP to use to reach destination.

          <preference>—Preference of LSP next hop.

**<lsp-next-hop> (configuration/logical-systems/routing-options/rib/static/route)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;rib&gt;         &lt;static&gt;           &lt;route&gt;             &lt;lsp-next-hop&gt;               &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;               &lt;preference&gt;preference&lt;/preference&gt;               &lt;metric&gt;metric&lt;/metric&gt;             &lt;/lsp-next-hop&gt;           &lt;/route&gt;         &lt;/static&gt;       &lt;/rib&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	LSP next hop.
<b>Contents</b>	<p>&lt;metric&gt;—Metric of LSP next hop.</p> <p>&lt;name&gt;—LSP to use to reach destination.</p> <p>&lt;preference&gt;—Preference of LSP next hop.</p>

## **<lsp-next-hop> (configuration/logical-systems/routing-options/static/iso-route)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;static&gt;         &lt;iso-route&gt;           &lt;lsp-next-hop&gt;             &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;             &lt;preference&gt;preference&lt;/preference&gt;             &lt;metric&gt;metric&lt;/metric&gt;           &lt;/lsp-next-hop&gt;         &lt;/iso-route&gt;       &lt;/static&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	LSP next hop.
<b>Contents</b>	<p>&lt;metric&gt;—Metric of LSP next hop.</p> <p>&lt;name&gt;—LSP to use to reach destination.</p> <p>&lt;preference&gt;—Preference of LSP next hop.</p>

## **<lsp-next-hop> (configuration/logical-systems/routing-options/static/route)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;static&gt;         &lt;route&gt;           &lt;lsp-next-hop&gt;             &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;             &lt;preference&gt;preference&lt;/preference&gt;             &lt;metric&gt;metric&lt;/metric&gt;           &lt;/lsp-next-hop&gt;         &lt;/route&gt;       &lt;/static&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	LSP next hop.
<b>Contents</b>	<p>&lt;metric&gt;—Metric of LSP next hop.</p> <p>&lt;name&gt;—LSP to use to reach destination.</p> <p>&lt;preference&gt;—Preference of LSP next hop.</p>



**<lsp-next-hop> (configuration/routing-instances/instance/  
routing-options/rib/static/iso-route)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <rib>  
          <static>  
          <iso-route>  
          **<lsp-next-hop>**  
            <name>*name*</name>   <!-- identifier -->  
            <preference>*preference*</preference>  
            <metric>*metric*</metric>  
          **</lsp-next-hop>**  
          </iso-route>  
          </static>  
          </rib>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   LSP next hop.

- Contents**   <metric>—Metric of LSP next hop.
- <name>—LSP to use to reach destination.
- <preference>—Preference of LSP next hop.

**<lsp-next-hop> (configuration/routing-instances/instance/  
routing-options/rib/static/route)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <rib>  
          <static>  
          <route>  
            **<lsp-next-hop>**  
              <name>*name*</name>   <!-- identifier -->  
              <preference>*preference*</preference>  
              <metric>*metric*</metric>  
            **</lsp-next-hop>**  
          </route>  
          </static>  
          </rib>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   LSP next hop.

**Contents**   <metric>—Metric of LSP next hop.

              <name>—LSP to use to reach destination.

              <preference>—Preference of LSP next hop.

**<lsp-next-hop> (configuration/routing-instances/instance/  
routing-options/static/iso-route)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;routing-options&gt;         &lt;static&gt;           &lt;iso-route&gt;             &lt;lsp-next-hop&gt;               &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;               &lt;preference&gt;preference&lt;/preference&gt;               &lt;metric&gt;metric&lt;/metric&gt;             &lt;/lsp-next-hop&gt;           &lt;/iso-route&gt;         &lt;/static&gt;       &lt;/routing-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	LSP next hop.
<b>Contents</b>	<p>&lt;metric&gt;—Metric of LSP next hop.</p> <p>&lt;name&gt;—LSP to use to reach destination.</p> <p>&lt;preference&gt;—Preference of LSP next hop.</p>

## **<lsp-next-hop> (configuration/routing-instances/instance/routing-options/static/route)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <static>  
          <route>  
            **<lsp-next-hop>**  
              <name>*name*</name>   <!-- identifier -->  
              <preference>*preference*</preference>  
              <metric>*metric*</metric>  
            **</lsp-next-hop>**  
          </route>  
          </static>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   LSP next hop.

**Contents**   <metric>—Metric of LSP next hop.

          <name>—LSP to use to reach destination.

          <preference>—Preference of LSP next hop.

## <lsp-next-hop> (configuration/routing-options/rib/static/iso-route)

---

**Usage** <configuration>  
     <routing-options>  
         <rib>  
             <static>  
                 <iso-route>  
                     **<lsp-next-hop>**  
                         <name>*name*</name>   <!-- identifier -->  
                         <preference>*preference*</preference>  
                         <metric>*metric*</metric>  
                     **</lsp-next-hop>**  
                 </iso-route>  
             </static>  
         </rib>  
     </routing-options>  
 </configuration>

**Description** LSP next hop.

**Contents** <metric>—Metric of LSP next hop.

            <name>—LSP to use to reach destination.

            <preference>—Preference of LSP next hop.

## <lsp-next-hop> (configuration/routing-options/rib/static/route)

---

**Usage** <configuration>  
     <routing-options>  
         <rib>  
             <static>  
                 <route>  
                     **<lsp-next-hop>**  
                         <name>*name*</name>   <!-- identifier -->  
                         <preference>*preference*</preference>  
                         <metric>*metric*</metric>  
                     **</lsp-next-hop>**  
                 </route>  
             </static>  
         </rib>  
     </routing-options>  
 </configuration>

**Description** LSP next hop.

**Contents** <metric>—Metric of LSP next hop.

            <name>—LSP to use to reach destination.

            <preference>—Preference of LSP next hop.

**<lsp-next-hop> (configuration/routing-options/static/iso-route)**

---

**Usage** <configuration>  
           <routing-options>  
             <static>  
               <iso-route>  
                 **<lsp-next-hop>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <preference>*preference*</preference>  
                   <metric>*metric*</metric>  
                 **</lsp-next-hop>**  
               </iso-route>  
             </static>  
           </routing-options>  
         </configuration>

**Description** LSP next hop.

**Contents** <metric>—Metric of LSP next hop.  
               <name>—LSP to use to reach destination.  
               <preference>—Preference of LSP next hop.

**<lsp-next-hop> (configuration/routing-options/static/route)**

---

**Usage** <configuration>  
           <routing-options>  
             <static>  
               <route>  
                 **<lsp-next-hop>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <preference>*preference*</preference>  
                   <metric>*metric*</metric>  
                 **</lsp-next-hop>**  
               </route>  
             </static>  
           </routing-options>  
         </configuration>

**Description** LSP next hop.

**Contents** <metric>—Metric of LSP next hop.  
               <name>—LSP to use to reach destination.  
               <preference>—Preference of LSP next hop.

## **<lsp-regex> (configuration/logical-systems/policy-options/policy-statement/from/prefix-list-filter/install-nexthop)**

---

**Usage** <configuration>  
     <logical-systems>  
         <policy-options>  
             <policy-statement>  
                 <from>  
                     <prefix-list-filter>  
                         <install-nexthop>  
                             **<lsp-regex>**  
                                 <name>name</name>   <!-- identifier -->  
                             **</lsp-regex>**  
                         </install-nexthop>  
                     </prefix-list-filter>  
                 </from>  
             </policy-statement>  
         </policy-options>  
     </logical-systems>  
</configuration>

**Description** Next-hop LSP name regular expression.

**Contents** <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/logical-systems/policy-options/policy-statement/from/prefix-list-filter/install-nexthop/except)**

---

**Usage** <configuration>  
     <logical-systems>  
         <policy-options>  
             <policy-statement>  
                 <from>  
                     <prefix-list-filter>  
                         <install-nexthop>  
                             <except>  
                                 **<lsp-regex>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</lsp-regex>**  
                             </except>  
                         </install-nexthop>  
                     </prefix-list-filter>  
                 </from>  
             </policy-statement>  
         </policy-options>  
     </logical-systems>  
</configuration>

**Description** Next-hop LSP name regular expression.

**Contents** <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/logical-systems/policy-options/policy-statement/from/route-filter/install-nexthop)**

---

**Usage** <configuration>  
 <logical-systems>  
 <policy-options>  
 <policy-statement>  
 <from>  
 <route-filter>  
 <install-nexthop>  
 <lsp-regex>  
 <name>name</name> <!-- identifier -->  
 </lsp-regex>  
 </install-nexthop>  
 </route-filter>  
 </from>  
 </policy-statement>  
 </policy-options>  
 </logical-systems>  
 </configuration>

**Description** Next-hop LSP name regular expression.

**Contents** <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/logical-systems/policy-options/policy-statement/from/route-filter/install-nexthop/except)**

---

**Usage** <configuration>  
 <logical-systems>  
 <policy-options>  
 <policy-statement>  
 <from>  
 <route-filter>  
 <install-nexthop>  
 <except>  
 <lsp-regex>  
 <name>name</name> <!-- identifier -->  
 </lsp-regex>  
 </except>  
 </install-nexthop>  
 </route-filter>  
 </from>  
 </policy-statement>  
 </policy-options>  
 </logical-systems>  
 </configuration>

**Description** Next-hop LSP name regular expression.

**Contents** <name>—Next-hop LSP name regular expression.



## **<lsp-regex> (configuration/logical-systems/policy-options/ policy-statement/from/source-address-filter/install-nexthop)**

---

**Usage** <configuration>  
     <logical-systems>  
         <policy-options>  
             <policy-statement>  
                 <from>  
                     <source-address-filter>  
                         <install-nexthop>  
                             **<lsp-regex>**  
                                 <name>name</name>   <!-- identifier -->  
                             **</lsp-regex>**  
                         </install-nexthop>  
                     </source-address-filter>  
                 </from>  
             </policy-statement>  
         </policy-options>  
     </logical-systems>  
</configuration>

**Description** Next-hop LSP name regular expression.

**Contents** <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/logical-systems/policy-options/ policy-statement/from/source-address-filter/install-nexthop/ except)**

---

**Usage** <configuration>  
     <logical-systems>  
         <policy-options>  
             <policy-statement>  
                 <from>  
                     <source-address-filter>  
                         <install-nexthop>  
                             <except>  
                                 **<lsp-regex>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</lsp-regex>**  
                             </except>  
                         </install-nexthop>  
                     </source-address-filter>  
                 </from>  
             </policy-statement>  
         </policy-options>  
     </logical-systems>  
</configuration>

**Description** Next-hop LSP name regular expression.

**Contents** <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/logical-systems/policy-options/ policy-statement/term/from/prefix-list-filter/install-nexthop)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <policy-options>  
           <policy-statement>  
           <term>  
           <from>  
           <prefix-list-filter>  
           <install-nexthop>  
           **<lsp-regex>**  
             <name>name</name>   <!-- identifier -->  
           **</lsp-regex>**  
           </install-nexthop>  
           </prefix-list-filter>  
           </from>  
           </term>  
           </policy-statement>  
           </policy-options>  
           </logical-systems>  
         </configuration>

**Description**   Next-hop LSP name regular expression.

**Contents**     <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/logical-systems/policy-options/ policy-statement/term/from/prefix-list-filter/install-nexthop/ except)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <policy-options>  
          <policy-statement>  
          <term>  
          <from>  
          <prefix-list-filter>  
          <install-nexthop>  
          <except>  
            **<lsp-regex>**  
              <name>*name*</name>   <!-- identifier -->  
            **</lsp-regex>**  
          </except>  
          </install-nexthop>  
          </prefix-list-filter>  
          </from>  
          </term>  
          </policy-statement>  
          </policy-options>  
          </logical-systems>  
          </configuration>

**Description**   Next-hop LSP name regular expression.

**Contents**    <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/logical-systems/policy-options/ policy-statement/term/from/route-filter/install-nexthop)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <policy-options>  
           <policy-statement>  
           <term>  
           <from>  
           <route-filter>  
           <install-nexthop>  
           **<lsp-regex>**  
             <name>name</name>   <!-- identifier -->  
           **</lsp-regex>**  
           </install-nexthop>  
           </route-filter>  
           </from>  
           </term>  
           </policy-statement>  
           </policy-options>  
           </logical-systems>  
         </configuration>

**Description**   Next-hop LSP name regular expression.

**Contents**     <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/logical-systems/policy-options/ policy-statement/term/from/route-filter/install-nexthop/except)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <policy-options>  
           <policy-statement>  
           <term>  
           <from>  
           <route-filter>  
           <install-nexthop>  
           <except>  
             **<lsp-regex>**  
               <name>*name*</name>   <!-- identifier -->  
             **</lsp-regex>**  
           </except>  
           </install-nexthop>  
           </route-filter>  
           </from>  
           </term>  
           </policy-statement>  
           </policy-options>  
           </logical-systems>  
           </configuration>

**Description**   Next-hop LSP name regular expression.

**Contents**     <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/logical-systems/policy-options/ policy-statement/term/from/source-address-filter/install-nexthop)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <policy-options>  
           <policy-statement>  
           <term>  
           <from>  
           <source-address-filter>  
           <install-nexthop>  
           **<lsp-regex>**  
             <name>name</name>   <!-- identifier -->  
           **</lsp-regex>**  
           </install-nexthop>  
           </source-address-filter>  
           </from>  
           </term>  
           </policy-statement>  
           </policy-options>  
           </logical-systems>  
         </configuration>

**Description**   Next-hop LSP name regular expression.

**Contents**     <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/logical-systems/policy-options/ policy-statement/term/from/source-address-filter/install-nexthop/ except)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <policy-options>  
          <policy-statement>  
          <term>  
          <from>  
          <source-address-filter>  
          <install-nexthop>  
          <except>  
            **<lsp-regex>**  
              <name>*name*</name>   <!-- identifier -->  
            **</lsp-regex>**  
          </except>  
          </install-nexthop>  
          </source-address-filter>  
          </from>  
          </term>  
          </policy-statement>  
          </policy-options>  
          </logical-systems>  
          </configuration>

**Description**   Next-hop LSP name regular expression.

**Contents**     <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/logical-systems/policy-options/policy-statement/term/then/install-nexthop)**

---

**Usage** <configuration>  
     <logical-systems>  
         <policy-options>  
             <policy-statement>  
                 <term>  
                     <then>  
                         <install-nexthop>  
                             **<lsp-regex>**  
                                 <name>name</name>   <!-- identifier -->  
                             **</lsp-regex>**  
                         </install-nexthop>  
                     </then>  
                 </term>  
             </policy-statement>  
         </policy-options>  
     </logical-systems>  
 </configuration>

**Description** Next-hop LSP name regular expression.

**Contents** <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/logical-systems/policy-options/policy-statement/term/then/install-nexthop/except)**

---

**Usage** <configuration>  
     <logical-systems>  
         <policy-options>  
             <policy-statement>  
                 <term>  
                     <then>  
                         <install-nexthop>  
                             <except>  
                                 **<lsp-regex>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</lsp-regex>**  
                             </except>  
                         </install-nexthop>  
                     </then>  
                 </term>  
             </policy-statement>  
         </policy-options>  
     </logical-systems>  
 </configuration>

**Description** Next-hop LSP name regular expression.

**Contents** <name>—Next-hop LSP name regular expression.



## **<lsp-regex> (configuration/logical-systems/policy-options/policy-statement/then/install-nexthop)**

---

**Usage** <configuration>  
           <logical-systems>  
           <policy-options>  
           <policy-statement>  
           <then>  
           <install-nexthop>  
           **<lsp-regex>**  
             <name>*name*</name>   <!-- identifier -->  
           **</lsp-regex>**  
           </install-nexthop>  
           </then>  
           </policy-statement>  
           </policy-options>  
           </logical-systems>  
         </configuration>

**Description** Next-hop LSP name regular expression.

**Contents** <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/logical-systems/policy-options/policy-statement/then/install-nexthop/except)**

---

**Usage** <configuration>  
           <logical-systems>  
           <policy-options>  
           <policy-statement>  
           <then>  
           <install-nexthop>  
           <except>  
           **<lsp-regex>**  
             <name>*name*</name>   <!-- identifier -->  
           **</lsp-regex>**  
           </except>  
           </install-nexthop>  
           </then>  
           </policy-statement>  
           </policy-options>  
           </logical-systems>  
         </configuration>

**Description** Next-hop LSP name regular expression.

**Contents** <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/policy-options/policy-statement/from/prefix-list-filter/install-nexthop)**

---

**Usage** <configuration>  
     <policy-options>  
         <policy-statement>  
             <from>  
                 <prefix-list-filter>  
                     <install-nexthop>  
                         **<lsp-regex>**  
                             <name>name</name>   <!-- identifier -->  
                         **</lsp-regex>**  
                     </install-nexthop>  
                 </prefix-list-filter>  
             </from>  
         </policy-statement>  
     </policy-options>  
 </configuration>

**Description** Next-hop LSP name regular expression.

**Contents** <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/policy-options/policy-statement/from/prefix-list-filter/install-nexthop/except)**

---

**Usage** <configuration>  
     <policy-options>  
         <policy-statement>  
             <from>  
                 <prefix-list-filter>  
                     <install-nexthop>  
                         <except>  
                             **<lsp-regex>**  
                                 <name>name</name>   <!-- identifier -->  
                             **</lsp-regex>**  
                         </except>  
                 </install-nexthop>  
             </prefix-list-filter>  
         </from>  
     </policy-statement>  
 </policy-options>  
 </configuration>

**Description** Next-hop LSP name regular expression.

**Contents** <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/policy-options/policy-statement/from/route-filter/install-nexthop)**

---

**Usage** <configuration>  
           <policy-options>  
             <policy-statement>  
               <from>  
                 <route-filter>  
                   <install-nexthop>  
                     **<lsp-regex>**  
                       <name>*name*</name>   <!-- identifier -->  
                     **</lsp-regex>**  
                   </install-nexthop>  
                 </route-filter>  
               </from>  
             </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Next-hop LSP name regular expression.

**Contents** <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/policy-options/policy-statement/from/route-filter/install-nexthop/except)**

---

**Usage** <configuration>  
           <policy-options>  
             <policy-statement>  
               <from>  
                 <route-filter>  
                   <install-nexthop>  
                     <except>  
                       **<lsp-regex>**  
                       <name>*name*</name>   <!-- identifier -->  
                       **</lsp-regex>**  
                     </except>  
                   </install-nexthop>  
                 </route-filter>  
               </from>  
             </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Next-hop LSP name regular expression.

**Contents** <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/policy-options/policy-statement/from/source-address-filter/install-nexthop)**

---

**Usage** <configuration>  
     <policy-options>  
         <policy-statement>  
             <from>  
                 <source-address-filter>  
                     <install-nexthop>  
                         **<lsp-regex>**  
                             <name>name</name>   <!-- identifier -->  
                         **</lsp-regex>**  
                     </install-nexthop>  
                 </source-address-filter>  
             </from>  
         </policy-statement>  
     </policy-options>  
 </configuration>

**Description** Next-hop LSP name regular expression.

**Contents** <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/policy-options/policy-statement/from/source-address-filter/install-nexthop/except)**

---

**Usage** <configuration>  
     <policy-options>  
         <policy-statement>  
             <from>  
                 <source-address-filter>  
                     <install-nexthop>  
                         <except>  
                             **<lsp-regex>**  
                                 <name>name</name>   <!-- identifier -->  
                             **</lsp-regex>**  
                         </except>  
                 </install-nexthop>  
             </source-address-filter>  
         </from>  
     </policy-statement>  
 </policy-options>  
 </configuration>

**Description** Next-hop LSP name regular expression.

**Contents** <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/policy-options/policy-statement/term/ from/prefix-list-filter/install-nexthop)**

---

**Usage** <configuration>  
           <policy-options>  
             <policy-statement>  
               <term>  
                 <from>  
                   <prefix-list-filter>  
                     <install-nexthop>  
                       **<lsp-regex>**  
                         <name>*name*</name>   <!-- identifier -->  
                       **</lsp-regex>**  
                     </install-nexthop>  
                   </prefix-list-filter>  
                 </from>  
               </term>  
             </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Next-hop LSP name regular expression.

**Contents** <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/policy-options/policy-statement/term/ from/prefix-list-filter/install-nexthop/except)**

---

**Usage** <configuration>  
           <policy-options>  
             <policy-statement>  
               <term>  
                 <from>  
                   <prefix-list-filter>  
                     <install-nexthop>  
                       <except>  
                         **<lsp-regex>**  
                           <name>*name*</name>   <!-- identifier -->  
                         **</lsp-regex>**  
                       </except>  
                     </install-nexthop>  
                   </prefix-list-filter>  
                 </from>  
               </term>  
             </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Next-hop LSP name regular expression.

**Contents** <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/policy-options/policy-statement/term/ from/route-filter/install-nexthop)**

---

**Usage** <configuration>  
     <policy-options>  
         <policy-statement>  
             <term>  
                 <from>  
                     <route-filter>  
                         <install-nexthop>  
                             **<lsp-regex>**  
                                 <name>name</name>   <!-- identifier -->  
                             **</lsp-regex>**  
                         </install-nexthop>  
                     </route-filter>  
                 </from>  
             </term>  
         </policy-statement>  
     </policy-options>  
 </configuration>

**Description** Next-hop LSP name regular expression.

**Contents** <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/policy-options/policy-statement/term/ from/route-filter/install-nexthop/except)**

---

**Usage** <configuration>  
     <policy-options>  
         <policy-statement>  
             <term>  
                 <from>  
                     <route-filter>  
                         <install-nexthop>  
                             <except>  
                                 **<lsp-regex>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</lsp-regex>**  
                             </except>  
                         </install-nexthop>  
                     </route-filter>  
                 </from>  
             </term>  
         </policy-statement>  
     </policy-options>  
 </configuration>

**Description** Next-hop LSP name regular expression.

**Contents** <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/policy-options/policy-statement/term/ from/source-address-filter/install-nexthop)**

---

**Usage** <configuration>  
           <policy-options>  
             <policy-statement>  
               <term>  
                 <from>  
                   <source-address-filter>  
                     <install-nexthop>  
                       **<lsp-regex>**  
                         <name>*name*</name>   <!-- identifier -->  
                       **</lsp-regex>**  
                     </install-nexthop>  
                   </source-address-filter>  
                 </from>  
               </term>  
             </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Next-hop LSP name regular expression.

**Contents** <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/policy-options/policy-statement/term/ from/source-address-filter/install-nexthop/except)**

---

**Usage** <configuration>  
           <policy-options>  
             <policy-statement>  
               <term>  
                 <from>  
                   <source-address-filter>  
                     <install-nexthop>  
                       <except>  
                         **<lsp-regex>**  
                           <name>*name*</name>   <!-- identifier -->  
                         **</lsp-regex>**  
                       </except>  
                     </install-nexthop>  
                   </source-address-filter>  
                 </from>  
               </term>  
             </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Next-hop LSP name regular expression.

**Contents** <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/policy-options/policy-statement/term/then/install-nexthop)**

---

**Usage** <configuration>  
     <policy-options>  
         <policy-statement>  
             <term>  
                 <then>  
                     <install-nexthop>  
                         **<lsp-regex>**  
                             <name>name</name>   <!-- identifier -->  
                         **</lsp-regex>**  
                     </install-nexthop>  
                 </then>  
             </term>  
         </policy-statement>  
     </policy-options>  
 </configuration>

**Description** Next-hop LSP name regular expression.

**Contents** <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/policy-options/policy-statement/term/then/install-nexthop/except)**

---

**Usage** <configuration>  
     <policy-options>  
         <policy-statement>  
             <term>  
                 <then>  
                     <install-nexthop>  
                         <except>  
                             **<lsp-regex>**  
                                 <name>name</name>   <!-- identifier -->  
                             **</lsp-regex>**  
                         </except>  
                     </install-nexthop>  
                 </then>  
             </term>  
         </policy-statement>  
     </policy-options>  
 </configuration>

**Description** Next-hop LSP name regular expression.

**Contents** <name>—Next-hop LSP name regular expression.



## **<lsp-regex> (configuration/policy-options/policy-statement/then/install-nexthop)**

---

**Usage** <configuration>  
           <policy-options>  
           <policy-statement>  
           <then>  
           <install-nexthop>  
           **<lsp-regex>**  
             <name>name</name>   <!-- identifier -->  
           **</lsp-regex>**  
           </install-nexthop>  
           </then>  
           </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Next-hop LSP name regular expression.

**Contents** <name>—Next-hop LSP name regular expression.

## **<lsp-regex> (configuration/policy-options/policy-statement/then/install-nexthop/except)**

---

**Usage** <configuration>  
           <policy-options>  
           <policy-statement>  
           <then>  
           <install-nexthop>  
           <except>  
           **<lsp-regex>**  
             <name>name</name>   <!-- identifier -->  
           **</lsp-regex>**  
           </except>  
           </install-nexthop>  
           </then>  
           </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Next-hop LSP name regular expression.

**Contents** <name>—Next-hop LSP name regular expression.

## **<lsp-switch> (configuration/logical-systems/protocols/connections)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;protocols&gt;       &lt;connections&gt;         &lt;lsp-switch&gt;           &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;           &lt;transmit-lsp&gt;transmit-lsp&lt;/transmit-lsp&gt;    &lt;!-- mandatory --&gt;           &lt;receive-lsp&gt;receive-lsp&lt;/receive-lsp&gt;    &lt;!-- mandatory --&gt;         &lt;/lsp-switch&gt;       &lt;/connections&gt;     &lt;/protocols&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Unidirectional switch between two label-switched paths.
<b>Contents</b>	<p>&lt;name&gt;—Name of label-switched path switch.</p> <p>&lt;receive-lsp&gt;—Name of incoming label-switched path.</p> <p>&lt;transmit-lsp&gt;—Name of outgoing label-switched path.</p>

## **<lsp-switch> (configuration/protocols/connections)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;connections&gt;       &lt;lsp-switch&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;transmit-lsp&gt;transmit-lsp&lt;/transmit-lsp&gt;    &lt;!-- mandatory --&gt;         &lt;receive-lsp&gt;receive-lsp&lt;/receive-lsp&gt;    &lt;!-- mandatory --&gt;       &lt;/lsp-switch&gt;     &lt;/connections&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Unidirectional switch between two label-switched paths.
<b>Contents</b>	<p>&lt;name&gt;—Name of label-switched path switch.</p> <p>&lt;receive-lsp&gt;—Name of incoming label-switched path.</p> <p>&lt;transmit-lsp&gt;—Name of outgoing label-switched path.</p>

## **<lsq-failure-options> (configuration/dynamic-profiles/interfaces/interface)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
               **<lsq-failure-options>**  
                   <trigger-link-failure>...</trigger-link-failure>  
                   <no-termination-request/>  
               **</lsq-failure-options>**  
           </interface>  
         </interfaces>  
       </dynamic-profiles>  
     </configuration>

**Description**   Link services queuing failure options.

**Contents**   <no-termination-request>—Do not send PPP termination requests.  
               <trigger-link-failure>—Link on which to trigger failure.

## **<lsq-failure-options> (configuration/interfaces/interface)**

---

**Usage**   <configuration>  
           <interfaces>  
           <interface>  
               **<lsq-failure-options>**  
                   <trigger-link-failure>...</trigger-link-failure>  
                   <no-termination-request/>  
               **</lsq-failure-options>**  
           </interface>  
         </interfaces>  
       </configuration>

**Description**   Link services queuing failure options.

**Contents**   <no-termination-request>—Do not send PPP termination requests.  
               <trigger-link-failure>—Link on which to trigger failure.

