

## Chapter 16

# Tag Elements Beginning with P

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

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 606, `<apply-groups-except>` on page 606, and `<apply-macro>` on page 607.

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**<p-cscf> (configuration/services/ggsn/apn)**

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               <apn>  
                 **<p-cscf>**  
                   <server>...</server>  
                   <filtering-server>...</filtering-server>  
                   <no-general-purpose/>  
                   <no-dedicated-signaling/>  
                   <no-general-signaling-indication/>  
                   <no-dedicated-signaling-indication/>  
                   <address-format>*address-format-choice*</address-format>  
                 **</p-cscf>**  
               </apn>  
             </ggsn>  
           </services>  
         </configuration>

**Description** P-CSCF settings.

**Contents** <address-format>—Settings for address format in GTP response.

- no-ipv4—Don't send ipv4 address.
- no-ipv4-compatible-ipv6—Don't send ipv4 address compatible ipv6 address.

<filtering-server>—IPv4 P-CSCF filtering server.

<no-dedicated-signaling>—No dedicated signaling contexts allowed.

<no-dedicated-signaling-indication>—No signaling indication for dedicated signaling contexts allowed.

<no-general-purpose>—No general purpose contexts allowed.

<no-general-signaling-indication>—No signaling indication for general purpose contexts allowed.

<server>—IPv4 or IPv6 P-CSCF server.

## **<p2mp> (configuration/logical-systems/protocols/mpls/label-switched-path)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <protocols>  
               <mpls>  
               <label-switched-path>  
               **<p2mp>**  
               <path\_name>*path\_name*</path\_name>  
               **</p2mp>**  
               </label-switched-path>  
               </mpls>  
               </protocols>  
               </logical-systems>  
               </configuration>

**Description**   Point-to-multipoint label-switched path.

**Contents**    <path\_name>—Name of point-to-multipoint LSP.

## **<p2mp> (configuration/protocols/mpls/label-switched-path)**

---

**Usage**   <configuration>  
               <protocols>  
               <mpls>  
               <label-switched-path>  
               **<p2mp>**  
               <path\_name>*path\_name*</path\_name>  
               **</p2mp>**  
               </label-switched-path>  
               </mpls>  
               </protocols>  
               </configuration>

**Description**   Point-to-multipoint label-switched path.

**Contents**    <path\_name>—Name of point-to-multipoint LSP.

## **<p2mp-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>  
             **<p2mp-lsp-next-hop>**  
               <name>*name*</name>   <!-- identifier -->  
               <preference>*preference*</preference>  
               <metric>*metric*</metric>  
             **</p2mp-lsp-next-hop>**  
           </iso-route>  
           </static>  
           </rib>  
           </routing-options>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
         </configuration>

**Description**   Point-to-multipoint LSP next hop.

**Contents**    <metric>—Metric of LSP next hop.

                <name>—LSP to use to reach destination.

                <preference>—Preference of LSP next hop.

## **<p2mp-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>  
             **<p2mp-lsp-next-hop>**  
               <name>*name*</name>   <!-- identifier -->  
               <preference>*preference*</preference>  
               <metric>*metric*</metric>  
             **</p2mp-lsp-next-hop>**  
           </route>  
           </static>  
           </rib>  
           </routing-options>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
         </configuration>

**Description**   Point-to-multipoint LSP next hop.

**Contents**   <metric>—Metric of LSP next hop.

          <name>—LSP to use to reach destination.

          <preference>—Preference of LSP next hop.

## **<p2mp-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>  
            **<p2mp-lsp-next-hop>**  
              <name>*name*</name>   <!-- identifier -->  
              <preference>*preference*</preference>  
              <metric>*metric*</metric>  
            **</p2mp-lsp-next-hop>**  
          </iso-route>  
          </static>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Point-to-multipoint LSP next hop.

**Contents**    <metric>—Metric of LSP next hop.

              <name>—LSP to use to reach destination.

              <preference>—Preference of LSP next hop.

## **<p2mp-lsp-next-hop> (configuration/logical-systems/ routing-instances/instance/routing-options/static/route)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <routing-options>  
           <static>  
           <route>  
             **<p2mp-lsp-next-hop>**  
               <name>*name*</name>   <!-- identifier -->  
               <preference>*preference*</preference>  
               <metric>*metric*</metric>  
             **</p2mp-lsp-next-hop>**  
           </route>  
           </static>  
           </routing-options>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
         </configuration>

**Description**   Point-to-multipoint LSP next hop.

**Contents**    <metric>—Metric of LSP next hop.

                <name>—LSP to use to reach destination.

                <preference>—Preference of LSP next hop.

## **<p2mp-lsp-next-hop> (configuration/logical-systems/ routing-options/rib/static/iso-route)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-options>  
          <rib>  
          <static>  
          <iso-route>  
            **<p2mp-lsp-next-hop>**  
              <name>*name*</name>   <!-- identifier -->  
              <preference>*preference*</preference>  
              <metric>*metric*</metric>  
            **</p2mp-lsp-next-hop>**  
          </iso-route>  
          </static>  
          </rib>  
          </routing-options>  
          </logical-systems>  
          </configuration>

**Description**   Point-to-multipoint LSP next hop.

**Contents**   <metric>—Metric of LSP next hop.

          <name>—LSP to use to reach destination.

          <preference>—Preference of LSP next hop.



## **<p2mp-lsp-next-hop> (configuration/logical-systems/ routing-options/rib/static/route)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-options>  
          <rib>  
          <static>  
          <route>  
            **<p2mp-lsp-next-hop>**  
              <name>*name*</name>   <!-- identifier -->  
              <preference>*preference*</preference>  
              <metric>*metric*</metric>  
            **</p2mp-lsp-next-hop>**  
          </route>  
          </static>  
          </rib>  
          </routing-options>  
          </logical-systems>  
          </configuration>

**Description**   Point-to-multipoint LSP next hop.

**Contents**   <metric>—Metric of LSP next hop.

          <name>—LSP to use to reach destination.

          <preference>—Preference of LSP next hop.

## **<p2mp-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;p2mp-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;/p2mp-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>	Point-to-multipoint 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>

## **<p2mp-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;p2mp-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;/p2mp-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>	Point-to-multipoint 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>

## **<p2mp-lsp-next-hop> (configuration/routing-instances/instance/ routing-options/rib/static/iso-route)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <routing-options>  
           <rib>  
           <static>  
           <iso-route>  
           **<p2mp-lsp-next-hop>**  
           <name>*name*</name>   <!-- identifier -->  
           <preference>*preference*</preference>  
           <metric>*metric*</metric>  
           **</p2mp-lsp-next-hop>**  
           </iso-route>  
           </static>  
           </rib>  
           </routing-options>  
           </instance>  
           </routing-instances>  
         </configuration>

**Description**   Point-to-multipoint LSP next hop.

**Contents**    <metric>—Metric of LSP next hop.

                <name>—LSP to use to reach destination.

                <preference>—Preference of LSP next hop.

**<p2mp-lsp-next-hop> (configuration/routing-instances/instance/  
routing-options/rib/static/route)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <rib>  
          <static>  
          <route>  
            **<p2mp-lsp-next-hop>**  
              <name>*name*</name>   <!-- identifier -->  
              <preference>*preference*</preference>  
              <metric>*metric*</metric>  
              **</p2mp-lsp-next-hop>**  
            </route>  
          </static>  
          </rib>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Point-to-multipoint LSP next hop.

**Contents**    <metric>—Metric of LSP next hop.

              <name>—LSP to use to reach destination.

              <preference>—Preference of LSP next hop.

## **<p2mp-lsp-next-hop> (configuration/routing-instances/instance/routing-options/static/iso-route)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <routing-options>  
           <static>  
           <iso-route>  
             **<p2mp-lsp-next-hop>**  
               <name>*name*</name>   <!-- identifier -->  
               <preference>*preference*</preference>  
               <metric>*metric*</metric>  
             **</p2mp-lsp-next-hop>**  
           </iso-route>  
           </static>  
           </routing-options>  
           </instance>  
           </routing-instances>  
         </configuration>

**Description**   Point-to-multipoint LSP next hop.

**Contents**   <metric>—Metric of LSP next hop.

          <name>—LSP to use to reach destination.

          <preference>—Preference of LSP next hop.

## **<p2mp-lsp-next-hop> (configuration/routing-instances/instance/routing-options/static/route)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <static>  
          <route>  
            **<p2mp-lsp-next-hop>**  
              <name>*name*</name>   <!-- identifier -->  
              <preference>*preference*</preference>  
              <metric>*metric*</metric>  
            **</p2mp-lsp-next-hop>**  
          </route>  
          </static>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Point-to-multipoint LSP next hop.

**Contents**   <metric>—Metric of LSP next hop.

          <name>—LSP to use to reach destination.

          <preference>—Preference of LSP next hop.

## **<p2mp-lsp-next-hop> (configuration/routing-options/rib/static/iso-route)**

---

**Usage**   <configuration>  
           <routing-options>  
           <rib>  
           <static>  
           <iso-route>  
           **<p2mp-lsp-next-hop>**  
             <name>*name*</name>   <!-- identifier -->  
             <preference>*preference*</preference>  
             <metric>*metric*</metric>  
           **</p2mp-lsp-next-hop>**  
           </iso-route>  
           </static>  
           </rib>  
           </routing-options>  
         </configuration>

**Description**   Point-to-multipoint LSP next hop.

**Contents**   <metric>—Metric of LSP next hop.

              <name>—LSP to use to reach destination.

              <preference>—Preference of LSP next hop.

## **<p2mp-lsp-next-hop> (configuration/routing-options/rib/static/route)**

---

**Usage**   <configuration>  
           <routing-options>  
           <rib>  
           <static>  
           <route>  
           **<p2mp-lsp-next-hop>**  
             <name>*name*</name>   <!-- identifier -->  
             <preference>*preference*</preference>  
             <metric>*metric*</metric>  
           **</p2mp-lsp-next-hop>**  
           </route>  
           </static>  
           </rib>  
           </routing-options>  
         </configuration>

**Description**   Point-to-multipoint LSP next hop.

**Contents**   <metric>—Metric of LSP next hop.

              <name>—LSP to use to reach destination.

              <preference>—Preference of LSP next hop.

## <p2mp-lsp-next-hop> (configuration/routing-options/static/iso-route)

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;static&gt;       &lt;iso-route&gt;         &lt;p2mp-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;/p2mp-lsp-next-hop&gt;       &lt;/iso-route&gt;     &lt;/static&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Point-to-multipoint 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>

## <p2mp-lsp-next-hop> (configuration/routing-options/static/route)

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;static&gt;       &lt;route&gt;         &lt;p2mp-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;/p2mp-lsp-next-hop&gt;       &lt;/route&gt;     &lt;/static&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Point-to-multipoint 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>



## <p2mp-receive-switch> (configuration/logical-systems/protocols/connections)

---

- Usage** <configuration>  
     <logical-systems>  
         <protocols>  
             <connections>  
                 <p2mp-receive-switch>  
                     <name>name</name>   <!-- identifier -->  
                     <receive-p2mp-lsp>receive-p2mp-lsp</receive-p2mp-lsp>   <!-- mandatory -->  
                     <output-interface>...</output-interface>   <!-- mandatory -->  
                 </p2mp-receive-switch>  
             </connections>  
         </protocols>  
     </logical-systems>  
 </configuration>
- Description** Point-to-multipoint LSP to local interfaces switch.
- Contents** <name>—Point-to-multipoint switch name on which to receive.
- <output-interface>—Next outgoing interface name.
- <receive-p2mp-lsp>—Point-to-multipoint LSP name on which to receive.

## <p2mp-receive-switch> (configuration/protocols/connections)

---

- Usage** <configuration>  
     <protocols>  
         <connections>  
             <p2mp-receive-switch>  
                 <name>name</name>   <!-- identifier -->  
                 <receive-p2mp-lsp>receive-p2mp-lsp</receive-p2mp-lsp>   <!-- mandatory -->  
                 <output-interface>...</output-interface>   <!-- mandatory -->  
             </p2mp-receive-switch>  
         </connections>  
     </protocols>  
 </configuration>
- Description** Point-to-multipoint LSP to local interfaces switch.
- Contents** <name>—Point-to-multipoint switch name on which to receive.
- <output-interface>—Next outgoing interface name.
- <receive-p2mp-lsp>—Point-to-multipoint LSP name on which to receive.

## **<p2mp-transmit-switch> (configuration/logical-systems/protocols/connections)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <connections>  
             **<p2mp-transmit-switch>**  
               <name>*name*</name>   <!-- identifier -->  
               <input-interface>*input-interface*  
                   </input-interface>   <!-- mandatory -->  
               <transmit-p2mp-lsp>*transmit-p2mp-lsp*  
                   </transmit-p2mp-lsp>   <!-- mandatory -->  
             **</p2mp-transmit-switch>**  
           </connections>  
         </protocols>  
       </logical-systems>  
     </configuration>

**Description** Local interface to point-to-multipoint LSP switch.

**Contents** <input-interface>—Input interface name.

<name>—Point-to-multipoint switch name on which to transmit.

<transmit-p2mp-lsp>—Point-to-multipoint LSP name on which to transmit.

## **<p2mp-transmit-switch> (configuration/protocols/connections)**

---

**Usage** <configuration>  
           <protocols>  
           <connections>  
             **<p2mp-transmit-switch>**  
               <name>*name*</name>   <!-- identifier -->  
               <input-interface>*input-interface*</input-interface>   <!-- mandatory -->  
               <transmit-p2mp-lsp>*transmit-p2mp-lsp*  
                   </transmit-p2mp-lsp>   <!-- mandatory -->  
             **</p2mp-transmit-switch>**  
           </connections>  
         </protocols>  
       </configuration>

**Description** Local interface to point-to-multipoint LSP switch.

**Contents** <input-interface>—Input interface name.

<name>—Point-to-multipoint switch name on which to transmit.

<transmit-p2mp-lsp>—Point-to-multipoint LSP name on which to transmit.

## **<package> (configuration/chassis/fpc/pic/adaptive-services/ service-package/extension-provider)**

---

**Usage** <configuration>  
     <chassis>  
         <fpc>  
             <pic>  
                 <adaptive-services>  
                     <service-package>  
                         <extension-provider>  
                             **<package>**  
                                 <name>name</name>   <!-- identifier -->  
                             **</package>**  
                         </extension-provider>  
                     </service-package>  
                 </adaptive-services>  
             </pic>  
         </fpc>  
     </chassis>  
</configuration>

**Description** Extension provider package to run on the PIC.

**Contents** <name>—No documentation is available yet.

## **<package> (configuration/chassis/lcc/fpc/pic/adaptive-services/ service-package/extension-provider)**

---

**Usage** <configuration>  
     <chassis>  
         <lcc>  
             <fpc>  
                 <pic>  
                     <adaptive-services>  
                         <service-package>  
                             <extension-provider>  
                                 **<package>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</package>**  
                             </extension-provider>  
                         </service-package>  
                 </adaptive-services>  
             </pic>  
         </fpc>  
     </lcc>  
     </chassis>  
</configuration>

**Description** Extension provider package to run on the PIC.

**Contents** <name>—No documentation is available yet.

**<packet-capture> (configuration/forwarding-options)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;forwarding-options&gt;     &lt;packet-capture&gt;       &lt;disable/&gt;       &lt;file&gt;...&lt;/file&gt;       &lt;maximum-capture-size&gt;bytes&lt;/maximum-capture-size&gt;     &lt;/packet-capture&gt;   &lt;/forwarding-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Packet capture options.
<b>Contents</b>	<p>&lt;disable&gt;—Disable packet-capture.</p> <p>&lt;file&gt;—Parameters for file that contains captured packets.</p> <p>&lt;maximum-capture-size&gt;—Maximum packet size to capture.</p>

**<packet-capture> (configuration/logical-systems/routing-instances/instance/forwarding-options)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-instances&gt;       &lt;instance&gt;         &lt;forwarding-options&gt;           &lt;packet-capture&gt;             &lt;disable/&gt;             &lt;file&gt;...&lt;/file&gt;             &lt;maximum-capture-size&gt;bytes&lt;/maximum-capture-size&gt;           &lt;/packet-capture&gt;         &lt;/forwarding-options&gt;       &lt;/instance&gt;     &lt;/routing-instances&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Packet capture options.
<b>Contents</b>	<p>&lt;disable&gt;—Disable packet-capture.</p> <p>&lt;file&gt;—Parameters for file that contains captured packets.</p> <p>&lt;maximum-capture-size&gt;—Maximum packet size to capture.</p>

## **<packet-capture> (configuration/routing-instances/instance/forwarding-options)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;forwarding-options&gt;         &lt;packet-capture&gt;           &lt;disable/&gt;           &lt;file&gt;...&lt;/file&gt;           &lt;maximum-capture-size&gt;bytes&lt;/maximum-capture-size&gt;         &lt;/packet-capture&gt;       &lt;/forwarding-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Packet capture options.
<b>Contents</b>	<p>&lt;disable&gt;—Disable packet-capture.</p> <p>&lt;file&gt;—Parameters for file that contains captured packets.</p> <p>&lt;maximum-capture-size&gt;—Maximum packet size to capture.</p>

## **<packet-inspection> (configuration/services/ggsn/apn/service-based-charging)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;apn&gt;         &lt;service-based-charging&gt;           &lt;packet-inspection&gt;             &lt;no-inspection&gt;...&lt;/no-inspection&gt;           &lt;/packet-inspection&gt;         &lt;/service-based-charging&gt;       &lt;/apn&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Packet inspection settings.
<b>Contents</b>	<no-inspection>—Service classification without packet inspection.

## **<packet-length> (configuration/firewall/family/any/filter/term/from)**

---

**Usage** <configuration>  
     <firewall>  
         <family>  
             <any>  
                 <filter>  
                     <term>  
                         <from>  
                             **<packet-length>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</packet-length>**  
                         </from>  
                     </term>  
                 </filter>  
             </any>  
         </family>  
     </firewall>  
</configuration>

**Description** Match packet length.

**Contents** <name>—Range of values.

## **<packet-length> (configuration/firewall/family/inet/filter/term/from)**

---

**Usage** <configuration>  
     <firewall>  
         <family>  
             <inet>  
                 <filter>  
                     <term>  
                         <from>  
                             **<packet-length>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</packet-length>**  
                         </from>  
                     </term>  
                 </filter>  
             </inet>  
         </family>  
     </firewall>  
</configuration>

**Description** Match packet length.

**Contents** <name>—Range of values.

## **<packet-length> (configuration/firewall/family/inet6/filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
             <family>  
               <inet6>  
                 <filter>  
                   <term>  
                     <from>  
                       **<packet-length>**  
                         <name>*name*</name>   <!-- identifier -->  
                       **</packet-length>**  
                     </from>  
                   </term>  
                 </filter>  
               </inet6>  
             </family>  
           </firewall>  
         </configuration>

**Description** Match packet length.

**Contents** <name>—Range of values.

## **<packet-length> (configuration/firewall/filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
             <filter>  
               <term>  
                 <from>  
                   **<packet-length>**  
                     <name>*name*</name>   <!-- identifier -->  
                   **</packet-length>**  
                 </from>  
               </term>  
             </filter>  
           </firewall>  
         </configuration>

**Description** Match packet length.

**Contents** <name>—Range of values.

## **<packet-length> (configuration/logical-systems/firewall/family/any/filter/term/from)**

---

**Usage** <configuration>  
           <logical-systems>  
           <firewall>  
           <family>  
           <any>  
           <filter>  
           <term>  
           <from>  
               **<packet-length>**  
                   <name>name</name>   <!-- identifier -->  
               **</packet-length>**  
           </from>  
           </term>  
           </filter>  
           </any>  
           </family>  
           </firewall>  
           </logical-systems>  
           </configuration>

**Description** Match packet length.

**Contents** <name>—Range of values.

## **<packet-length> (configuration/logical-systems/firewall/family/inet/filter/term/from)**

---

**Usage** <configuration>  
           <logical-systems>  
           <firewall>  
           <family>  
           <inet>  
           <filter>  
           <term>  
           <from>  
               **<packet-length>**  
                   <name>name</name>   <!-- identifier -->  
               **</packet-length>**  
           </from>  
           </term>  
           </filter>  
           </inet>  
           </family>  
           </firewall>  
           </logical-systems>  
           </configuration>

**Description** Match packet length.

**Contents** <name>—Range of values.



**<packet-length> (configuration/logical-systems/firewall/family/inet6/filter/term/from)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;firewall&gt;       &lt;family&gt;         &lt;inet6&gt;           &lt;filter&gt;             &lt;term&gt;               &lt;from&gt;                 &lt;packet-length&gt;                   &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;                 &lt;/packet-length&gt;               &lt;/from&gt;             &lt;/term&gt;           &lt;/filter&gt;         &lt;/inet6&gt;       &lt;/family&gt;     &lt;/firewall&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Match packet length.
<b>Contents</b>	<name>—Range of values.

**<packet-length> (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;packet-length&gt;               &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;             &lt;/packet-length&gt;           &lt;/from&gt;         &lt;/term&gt;       &lt;/filter&gt;     &lt;/firewall&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Match packet length.
<b>Contents</b>	<name>—Range of values.

## **<packet-length> (configuration/logical-systems/routing-instances/instance/routing-options/flow/route/match)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <routing-options>  
                     <flow>  
                         <route>  
                             <match>  
                                 **<packet-length>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</packet-length>**  
                             </match>  
                         </route>  
                     </flow>  
                 </routing-options>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
 </configuration>

**Description** Packet length.

**Contents** <name>—Packet length.

## **<packet-length> (configuration/logical-systems/routing-options/flow/route/match)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-options>  
             <flow>  
                 <route>  
                     <match>  
                         **<packet-length>**  
                             <name>name</name>   <!-- identifier -->  
                         **</packet-length>**  
                     </match>  
                 </route>  
             </flow>  
         </routing-options>  
     </logical-systems>  
 </configuration>

**Description** Packet length.

**Contents** <name>—Packet length.

## **<packet-length> (configuration/routing-instances/instance/routing-options/flow/route/match)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <routing-options>  
                 <flow>  
                     <route>  
                         <match>  
                             **<packet-length>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</packet-length>**  
                         </match>  
                     </route>  
                 </flow>  
             </routing-options>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Packet length.

**Contents** <name>—Packet length.

## **<packet-length> (configuration/routing-options/flow/route/match)**

---

**Usage** <configuration>  
     <routing-options>  
         <flow>  
             <route>  
                 <match>  
                     **<packet-length>**  
                         <name>*name*</name>   <!-- identifier -->  
                     **</packet-length>**  
                 </match>  
             </route>  
         </flow>  
     </routing-options>  
 </configuration>

**Description** Packet length.

**Contents** <name>—Packet length.

## **<packet-length-except> (configuration/firewall/family/any/filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
             <family>  
               <any>  
                 <filter>  
                   <term>  
                     <from>  
                       **<packet-length-except>**  
                         <name>*name*</name>   <!-- identifier -->  
                       **</packet-length-except>**  
                     </from>  
                   </term>  
                 </filter>  
               </any>  
             </family>  
           </firewall>  
         </configuration>

**Description** Do not match packet length.

**Contents** <name>—Range of values.

## **<packet-length-except> (configuration/firewall/family/inet/filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
             <family>  
               <inet>  
                 <filter>  
                   <term>  
                     <from>  
                       **<packet-length-except>**  
                         <name>*name*</name>   <!-- identifier -->  
                       **</packet-length-except>**  
                     </from>  
                   </term>  
                 </filter>  
               </inet>  
             </family>  
           </firewall>  
         </configuration>

**Description** Do not match packet length.

**Contents** <name>—Range of values.

## **<packet-length-except> (configuration/firewall/family/inet6/filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
             <family>  
               <inet6>  
                 <filter>  
                   <term>  
                     <from>  
                       **<packet-length-except>**  
                         <name>*name*</name>   <!-- identifier -->  
                       **</packet-length-except>**  
                     </from>  
                   </term>  
                 </filter>  
               </inet6>  
             </family>  
           </firewall>  
         </configuration>

**Description** Do not match packet length.

**Contents** <name>—Range of values.

## **<packet-length-except> (configuration/firewall/filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
             <filter>  
               <term>  
                 <from>  
                   **<packet-length-except>**  
                     <name>*name*</name>   <!-- identifier -->  
                   **</packet-length-except>**  
                 </from>  
               </term>  
             </filter>  
           </firewall>  
         </configuration>

**Description** Do not match packet length.

**Contents** <name>—Range of values.

## **<packet-length-except> (configuration/logical-systems/firewall/family/any/filter/term/from)**

---

**Usage** <configuration>  
           <logical-systems>  
             <firewall>  
               <family>  
                 <any>  
                   <filter>  
                     <term>  
                       <from>  
                         **<packet-length-except>**  
                           <name>name</name>   <!-- identifier -->  
                         **</packet-length-except>**  
                       </from>  
                     </term>  
                   </filter>  
                 </any>  
               </family>  
             </firewall>  
           </logical-systems>  
         </configuration>

**Description** Do not match packet length.

**Contents** <name>—Range of values.

## **<packet-length-except> (configuration/logical-systems/firewall/family/inet/filter/term/from)**

---

**Usage** <configuration>  
           <logical-systems>  
             <firewall>  
               <family>  
                 <inet>  
                   <filter>  
                     <term>  
                       <from>  
                         **<packet-length-except>**  
                           <name>name</name>   <!-- identifier -->  
                         **</packet-length-except>**  
                       </from>  
                     </term>  
                   </filter>  
                 </inet>  
               </family>  
             </firewall>  
           </logical-systems>  
         </configuration>

**Description** Do not match packet length.

**Contents** <name>—Range of values.

**<packet-length-except> (configuration/logical-systems/firewall/family/inet6/filter/term/from)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;firewall&gt;       &lt;family&gt;         &lt;inet6&gt;           &lt;filter&gt;             &lt;term&gt;               &lt;from&gt;                 &lt;packet-length-except&gt;                   &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;                 &lt;/packet-length-except&gt;               &lt;/from&gt;             &lt;/term&gt;           &lt;/filter&gt;         &lt;/inet6&gt;       &lt;/family&gt;     &lt;/firewall&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Do not match packet length.
<b>Contents</b>	<name>—Range of values.

**<packet-length-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;packet-length-except&gt;               &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;             &lt;/packet-length-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 packet length.
<b>Contents</b>	<name>—Range of values.

## **<pap> (configuration/dynamic-profiles/interfaces/interface/ppp-options)**

---

**Usage**

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <ppp-options>
          <pap>
            <access-profile>access-profile</access-profile>
            <default-password>default-password</default-password>
            <local-name>local-name</local-name>
            <local-password>local-password</local-password>    <!-- mandatory -->
            <passive/>
          </pap>
        </ppp-options>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

**Description** Password Authentication Protocol options.

**Contents**

- <access-profile>—Profile containing client list and access parameters.
- <default-password>—Default PAP password used in the absence of matching profile.
- <local-name>—Name sent in PAP request packet.
- <local-password>—Password sent in PAP request packet.
- <passive>—Handle incoming PAP requests only.



## **<pap> (configuration/dynamic-profiles/interfaces/interface/unit/ppp-options)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <unit>  
           <ppp-options>  
           **<pap>**  
             <access-profile>*access-profile*</access-profile>  
             <default-password>*default-password*</default-password>  
             <local-name>*local-name*</local-name>  
             <local-password>*local-password*</local-password>   <!-- mandatory -->  
             <passive/>  
           **</pap>**  
           </ppp-options>  
           </unit>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
           </configuration>

**Description** Password Authentication Protocol options.

**Contents**   <access-profile>—Profile containing client list and access parameters.

              <default-password>—Default PAP password used in the absence of matching profile.

              <local-name>—Name sent in PAP request packet.

              <local-password>—Password sent in PAP request packet.

              <passive>—Handle incoming PAP requests only.

**<pap> (configuration/interfaces/interface/ppp-options)**

---

**Usage**   <configuration>  
           <interfaces>  
           <interface>  
           <ppp-options>  
           **<pap>**  
             <access-profile>*access-profile*</access-profile>  
             <default-password>*default-password*</default-password>  
             <local-name>*local-name*</local-name>  
             <local-password>*local-password*</local-password>   <!-- mandatory -->  
             <passive/>  
           **</pap>**  
           </ppp-options>  
           </interface>  
         </interfaces>  
       </configuration>

**Description** Password Authentication Protocol options.

**Contents**   <access-profile>—Profile containing client list and access parameters.

              <default-password>—Default PAP password used in the absence of matching profile.

              <local-name>—Name sent in PAP request packet.

              <local-password>—Password sent in PAP request packet.

              <passive>—Handle incoming PAP requests only.

**<pap> (configuration/interfaces/interface/unit/ppp-options)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <unit>  
                 <ppp-options>  
                   **<pap>**  
                     <access-profile>*access-profile*</access-profile>  
                     <default-password>*default-password*</default-password>  
                     <local-name>*local-name*</local-name>  
                     <local-password>*local-password*</local-password>   <!-- mandatory -->  
                     <passive/>  
                   **</pap>**  
                 </ppp-options>  
               </unit>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** Password Authentication Protocol options.

**Contents** <access-profile>—Profile containing client list and access parameters.

<default-password>—Default PAP password used in the absence of matching profile.

<local-name>—Name sent in PAP request packet.

<local-password>—Password sent in PAP request packet.

<passive>—Handle incoming PAP requests only.

## **<pap> (configuration/logical-systems/interfaces/interface/unit/ppp-options)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <interfaces>
      <interface>
        <unit>
          <ppp-options>
            <pap>
              <access-profile>access-profile</access-profile>
              <default-password>default-password</default-password>
              <local-name>local-name</local-name>
              <local-password>local-password</local-password>    <!-- mandatory -->
              <passive/>
            </pap>
          </ppp-options>
        </unit>
      </interface>
    </interfaces>
  </logical-systems>
</configuration>

```

**Description** Password Authentication Protocol options.

**Contents**

- <access-profile>—Profile containing client list and access parameters.
- <default-password>—Default PAP password used in the absence of matching profile.
- <local-name>—Name sent in PAP request packet.
- <local-password>—Password sent in PAP request packet.
- <passive>—Handle incoming PAP requests only.

**<parameters> (configuration/snmp/v3/target-parameters)**

---

**Usage** <configuration>  
           <snmp>  
             <v3>  
               <target-parameters>  
                 **<parameters>**  
                   <message-processing-model>*message-processing-model-choice*  
                     </message-processing-model>   <!-- mandatory -->  
                   <security-model>*security-model-choice*  
                     </security-model>   <!-- mandatory -->  
                   <security-level>*security-level-choice*</security-level>   <!-- mandatory -->  
                   <security-name>*security-name*</security-name>   <!-- mandatory -->  
                 **</parameters>**  
               </target-parameters>  
             </v3>  
           </snmp>  
         </configuration>

**Description** Parameters used when sending notifications.

**Contents** <message-processing-model>—The message processing model to be used when generating SNMP notifications.

- v1—SNMPv1 model.
- v2c—SNMPv2c model.
- v3—SNMPv3 model.

<security-level>—Security-level used when generating SNMP notifications.

- authentication—Authentication (authNoPriv).
- none—None (noAuthNoPriv).
- privacy—Privacy and authentication (authPriv).

<security-model>—Security-model used when generating SNMP notifications.

- usm—User-based security model.
- v1—SNMPv1 model.
- v2c—SNMPv2c model.

<security-name>—Security name used when generating SNMP notifications.

**<partition> (configuration/dynamic-profiles/interfaces/interface)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
             <interfaces>  
               <interface>  
                 **<partition>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <oc-slice>*oc-slice*</oc-slice>  
                   <timeslots>*timeslots*</timeslots>  
                   <interface-type>*interface-type-choice*</interface-type>   <!-- mandatory -->  
                 **</partition>**  
               </interface>  
             </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description** Channelized interface partition.

**Contents** <interface-type>—Sublevel interface type.

- bc—B channel interface.
- cau4—Channelized AU4 interface.
- ce1—Channelized E1 interface.
- coc1—Channelized OC1 interface.
- cstm1—Channelized STM1 interface.
- ct1—Channelized T1 interface.
- ct3—Channelized T3 interface.
- dc—D channel interface.
- ds—DS0 interface.
- e1—E1 interface.
- e3—E3 interface.
- so—SONET interface.
- t1—T1 interface.
- t3—T3 interface.

<name>—Sublevel interface partition index (for example, 1, 3-4).

<oc-slice>—Range of SONET/SDH slices (for example, 1, 7-9).

<timeslots>—Timeslots [(1..24) for T1, (1..31) for E1]; for example, 1-3,4,9,22-24 (no spaces).

**<partition> (configuration/interfaces/interface)**

---

**Usage**   <configuration>  
           <interfaces>  
           <interface>  
             **<partition>**  
               <name>*name*</name>   <!-- identifier -->  
               <oc-slice>*oc-slice*</oc-slice>  
               <timeslots>*timeslots*</timeslots>  
               <interface-type>*interface-type-choice*</interface-type>   <!-- mandatory -->  
             **</partition>**  
           </interface>  
         </interfaces>  
       </configuration>

**Description**   Channelized interface partition.

**Contents**   <interface-type>—Sublevel interface type.

- bc—B channel interface.
- cau4—Channelized AU4 interface.
- ce1—Channelized E1 interface.
- coc1—Channelized OC1 interface.
- cstm1—Channelized STM1 interface.
- ct1—Channelized T1 interface.
- ct3—Channelized T3 interface.
- dc—D channel interface.
- ds—DS0 interface.
- e1—E1 interface.
- e3—E3 interface.
- so—SONET interface.
- t1—T1 interface.
- t3—T3 interface.

<name>—Sublevel interface partition index (for example, 1, 3-4).

<oc-slice>—Range of SONET/SDH slices (for example, 1, 7-9).

<timeslots>—Timeslots [(1..24) for T1, (1..31) for E1]; for example, 1-3,4,9,22-24 (no spaces).

## **<pass-through-pending-authorization> (configuration/services/ggsn/rule-space)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;rule-space&gt;         &lt;pass-through-pending-authorization&gt;           &lt;service-identifiers&gt;...&lt;/service-identifiers&gt;           &lt;pass-through-limit&gt;pass-through-limit&lt;/pass-through-limit&gt;         &lt;/pass-through-pending-authorization&gt;       &lt;/rule-space&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Settings for passing through packets pending authorization.
<b>Contents</b>	<p>&lt;pass-through-limit&gt;—Maximum number of packets to pass through.</p> <p>&lt;service-identifiers&gt;—List of service identifiers for which limited payload will pass while waiting for credit.</p>

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;protocols&gt;       &lt;ospf&gt;         &lt;area&gt;           &lt;interface&gt;             &lt;passive&gt;               &lt;traffic-engineering&gt;...&lt;/traffic-engineering&gt;             &lt;/passive&gt;           &lt;/interface&gt;         &lt;/area&gt;       &lt;/ospf&gt;     &lt;/protocols&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Do not run OSPF, but advertise it.
<b>Contents</b>	<traffic-engineering>—Advertise TE link information.



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

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <ospf3>  
           <area>  
           <interface>  
             **<passive>**  
               <traffic-engineering>...</traffic-engineering>  
             **</passive>**  
           </interface>  
         </area>  
       </ospf3>  
     </protocols>  
   </logical-systems>  
</configuration>

**Description** Do not run OSPF, but advertise it.

**Contents** <traffic-engineering>—Advertise TE link information.

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

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <ospf3>  
           <realm>  
           <area>  
           <interface>  
             **<passive>**  
               <traffic-engineering>...</traffic-engineering>  
             **</passive>**  
           </interface>  
         </area>  
       </realm>  
     </ospf3>  
   </protocols>  
</logical-systems>  
</configuration>

**Description** Do not run OSPF, but advertise it.

**Contents** <traffic-engineering>—Advertise TE link information.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <ospf>
            <area>
              <interface>
                <passive>
                  <traffic-engineering>...</traffic-engineering>
                </passive>
              </interface>
            </area>
          </ospf>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Do not run OSPF, but advertise it.

**Contents** <traffic-engineering>—Advertise TE link information.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <ospf3>
            <area>
              <interface>
                <passive>
                  <traffic-engineering>...</traffic-engineering>
                </passive>
              </interface>
            </area>
          </ospf3>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Do not run OSPF, but advertise it.

**Contents** <traffic-engineering>—Advertise TE link information.

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

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <protocols>  
                     <ospf3>  
                         <realm>  
                             <area>  
                                 <interface>  
                                     **<passive>**  
   <traffic-engineering>...</traffic-engineering>  
                                     **</passive>**  
                                 </interface>  
                             </area>  
                         </realm>  
                     </ospf3>  
                 </protocols>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
 </configuration>

**Description** Do not run OSPF, but advertise it.

**Contents** <traffic-engineering>—Advertise TE link information.

## **<passive> (configuration/protocols/ospf/area/interface)**

---

**Usage** <configuration>  
     <protocols>  
         <ospf>  
             <area>  
                 <interface>  
                     **<passive>**  
                         <traffic-engineering>...</traffic-engineering>  
                     **</passive>**  
                 </interface>  
             </area>  
         </ospf>  
     </protocols>  
 </configuration>

**Description** Do not run OSPF, but advertise it.

**Contents** <traffic-engineering>—Advertise TE link information.

**<passive> (configuration/protocols/ospf3/area/interface)**

---

**Usage** <configuration>  
 <protocols>  
 <ospf3>  
 <area>  
 <interface>  
   **<passive>**  
     <traffic-engineering>...</traffic-engineering>  
   **</passive>**  
 </interface>  
</area>  
</ospf3>  
</protocols>  
</configuration>

**Description** Do not run OSPF, but advertise it.

**Contents** <traffic-engineering>—Advertise TE link information.

**<passive> (configuration/protocols/ospf3/realm/area/interface)**

---

**Usage** <configuration>  
 <protocols>  
 <ospf3>  
 <realm>  
 <area>  
 <interface>  
   **<passive>**  
     <traffic-engineering>...</traffic-engineering>  
   **</passive>**  
 </interface>  
</area>  
</realm>  
</ospf3>  
</protocols>  
</configuration>

**Description** Do not run OSPF, but advertise it.

**Contents** <traffic-engineering>—Advertise TE link information.

## **<passive> (configuration/routing-instances/instance/protocols/ospf/area/interface)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <protocols>  
                 <ospf>  
                     <area>  
                         <interface>  
                             **<passive>**  
                                 <traffic-engineering>...</traffic-engineering>  
                             **</passive>**  
                         </interface>  
                     </area>  
                 </ospf>  
             </protocols>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Do not run OSPF, but advertise it.

**Contents** <traffic-engineering>—Advertise TE link information.

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

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <protocols>  
                 <ospf3>  
                     <area>  
                         <interface>  
                             **<passive>**  
                                 <traffic-engineering>...</traffic-engineering>  
                             **</passive>**  
                         </interface>  
                     </area>  
                 </ospf3>  
             </protocols>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Do not run OSPF, but advertise it.

**Contents** <traffic-engineering>—Advertise TE link information.

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

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <ospf3>  
          <realm>  
          <area>  
          <interface>  
          **<passive>**  
          <traffic-engineering>...</traffic-engineering>  
          **</passive>**  
          </interface>  
          </area>  
          </realm>  
          </ospf3>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Do not run OSPF, but advertise it.

**Contents**    <traffic-engineering>—Advertise TE link information.

**<password> (configuration/system/login)**

---

**Usage** <configuration>  
           <system>  
           <login>  
             **<password>**  
               <minimum-length>*minimum-length*</minimum-length>  
               <maximum-length>*maximum-length*</maximum-length>  
               <change-type>*change-type-choice*</change-type>  
               <minimum-changes>*minimum-changes*</minimum-changes>  
               <format>*format-choice*</format>  
             **</password>**  
           </login>  
         </system>  
       </configuration>

**Description** Password configuration.

**Contents** <change-type>—Password change type.

- character-sets—Count number of character type.
- set-transitions—Count changes in character type.

<format>—Encryption method to use for password.

- des—Digital Encryption Standard.
- md5—Message Digest 5.
- sha1—Secure Hash Algorithm 1.

<maximum-length>—Maximum password length for all users.

<minimum-changes>—Minimum number of changes in password.

<minimum-length>—Minimum password length for all users.

**<path> (configuration/logical-systems/protocols/mpls)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <mpls>  
          **<path>**  
            <name>*name*</name>   <!-- identifier -->  
            <path-list>...</path-list>  
          **</path>**  
          </mpls>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Route of a label-switched path.

**Contents**    <name>—Name of label-switched path.  
              <path-list>—List of routers in the label-switched path.



**<path> (configuration/logical-systems/protocols/mpls/static-path)**

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <mpls>  
                 <static-path>  
                   **<path>**  
                     <name>*name*</name>   <!-- identifier -->  
                     <next-hop>*next-hop*</next-hop>   <!-- mandatory -->  
                     <push>*push*</push>  
                     <double-push-bottom>*double-push-bottom*</double-push-bottom>  
                     <double-push-top>*double-push-top*</double-push-top>  
                     <triple-push-bottom>*triple-push-bottom*</triple-push-bottom>  
                     <triple-push-middle>*triple-push-middle*</triple-push-middle>  
                     <triple-push-top>*triple-push-top*</triple-push-top>  
                     <preference>*preference*</preference>  
                     <class-of-service>*class-of-service*</class-of-service>  
                   **</path>**  
                 </static-path>  
               </mpls>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** Name of static label-switched path.

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

<double-push-bottom>—First (bottom) label value to push.

<double-push-top>—Second (top) label value to push.

<name>—Destination prefix.

<next-hop>—Next hop to destination.

<preference>—Preference value.

<push>—Label to push.

<triple-push-bottom>—First (bottom) label value to push.

<triple-push-middle>—Second (middle) label value to push.

<triple-push-top>—Third (top) label value to push.

## **<path> (configuration/logical-systems/protocols/rsvp/interface/link-protection)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <rsvp>  
          <interface>  
          <link-protection>  
          **<path>**  
            <name>name</name>    <!-- identifier -->  
            <loose/>  
            <strict/>  
          **</path>**  
          </link-protection>  
          </interface>  
          </rsvp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Explicit route of bypass path.

**Contents**   <loose>—Next hop might not be adjacent.

          <name>—Address of next system in path.

          <strict>—Next hop must be adjacent.

## **<path> (configuration/logical-systems/protocols/rsvp/interface/link-protection/bypass)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <rsvp>  
           <interface>  
           <link-protection>  
           <bypass>  
           **<path>**  
             <name>*name*</name>   <!-- identifier -->  
             <loose/>  
             <strict/>  
           **</path>**  
           </bypass>  
           </link-protection>  
           </interface>  
           </rsvp>  
           </protocols>  
           </logical-systems>  
           </configuration>

**Description** Explicit route of bypass path.

**Contents** <loose>—Next hop might not be adjacent.

<name>—Address of next system in path.

<strict>—Next hop must be adjacent.

## **<path> (configuration/protocols/mps)**

---

**Usage** <configuration>  
           <protocols>  
           <mps>  
           **<path>**  
             <name>*name*</name>   <!-- identifier -->  
             <path-list>...</path-list>  
           **</path>**  
           </mps>  
           </protocols>  
           </configuration>

**Description** Route of a label-switched path.

**Contents** <name>—Name of label-switched path.

<path-list>—List of routers in the label-switched path.

**<path> (configuration/protocols/mpls/static-path)**

---

**Usage** <configuration>  
           <protocols>  
             <mpls>  
               <static-path>  
                 **<path>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <next-hop>*next-hop*</next-hop>   <!-- mandatory -->  
                   <push>*push*</push>  
                   <double-push-bottom>*double-push-bottom*</double-push-bottom>  
                   <double-push-top>*double-push-top*</double-push-top>  
                   <triple-push-bottom>*triple-push-bottom*</triple-push-bottom>  
                   <triple-push-middle>*triple-push-middle*</triple-push-middle>  
                   <triple-push-top>*triple-push-top*</triple-push-top>  
                   <preference>*preference*</preference>  
                   <class-of-service>*class-of-service*</class-of-service>  
                 **</path>**  
               </static-path>  
             </mpls>  
           </protocols>  
         </configuration>

**Description** Name of static label-switched path.

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

<double-push-bottom>—First (bottom) label value to push.

<double-push-top>—Second (top) label value to push.

<name>—Destination prefix.

<next-hop>—Next hop to destination.

<preference>—Preference value.

<push>—Label to push.

<triple-push-bottom>—First (bottom) label value to push.

<triple-push-middle>—Second (middle) label value to push.

<triple-push-top>—Third (top) label value to push.

**<path> (configuration/protocols/rsvp/interface/link-protection)**

---

**Usage** <configuration>  
           <protocols>  
             <rsvp>  
               <interface>  
                 <link-protection>  
                   **<path>**  
                     <name>*name*</name>   <!-- identifier -->  
                     <loose/>  
                     <strict/>  
                   **</path>**  
                 </link-protection>  
               </interface>  
             </rsvp>  
           </protocols>  
         </configuration>

**Description** Explicit route of bypass path.

**Contents** <loose>—Next hop might not be adjacent.

<name>—Address of next system in path.

<strict>—Next hop must be adjacent.

## **<path> (configuration/protocols/rsvp/interface/link-protection/bypass)**

---

**Usage**   <configuration>  
          <protocols>  
          <rsvp>  
          <interface>  
          <link-protection>  
          <bypass>  
          **<path>**  
            <name>name</name>    <!-- identifier -->  
            <loose/>  
            <strict/>  
          **</path>**  
          </bypass>  
          </link-protection>  
          </interface>  
          </rsvp>  
          </protocols>  
          </configuration>

**Description**   Explicit route of bypass path.

**Contents**   <loose>—Next hop might not be adjacent.

          <name>—Address of next system in path.

          <strict>—Next hop must be adjacent.

**<path-list> (configuration/logical-systems/protocols/mpls/path)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <mpls>  
           <path>  
             **<path-list>**  
               <name>name</name>   <!-- identifier -->  
               <loose/>  
               <strict/>  
             **</path-list>**  
           </path>  
         </mpls>  
       </protocols>  
     </logical-systems>  
 </configuration>

**Description** List of routers in the label-switched path.

**Contents** <loose>—Next hop might not be adjacent.

          <name>—Address of next system in path.

          <strict>—Next hop must be adjacent.

**<path-list> (configuration/protocols/mpls/path)**

---

**Usage** <configuration>  
           <protocols>  
           <mpls>  
           <path>  
             **<path-list>**  
               <name>name</name>   <!-- identifier -->  
               <loose/>  
               <strict/>  
             **</path-list>**  
           </path>  
         </mpls>  
       </protocols>  
 </configuration>

**Description** List of routers in the label-switched path.

**Contents** <loose>—Next hop might not be adjacent.

          <name>—Address of next system in path.

          <strict>—Next hop must be adjacent.

**<path-mtu> (configuration/logical-systems/protocols/mpls)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;protocols&gt;       &lt;mpls&gt;         &lt;path-mtu&gt;           &lt;allow-fragmentation/&gt;           &lt;rsvp&gt;...&lt;/rsvp&gt;         &lt;/path-mtu&gt;       &lt;/mpls&gt;     &lt;/protocols&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Path MTU configuration.
<b>Contents</b>	<p>&lt;allow-fragmentation&gt;—If needed, fragment IP before encapsulating in MPLS.</p> <p>&lt;rsvp&gt;—RSVP-specific path MTU options.</p>

**<path-mtu> (configuration/protocols/mpls)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;mpls&gt;       &lt;path-mtu&gt;         &lt;allow-fragmentation/&gt;         &lt;rsvp&gt;...&lt;/rsvp&gt;       &lt;/path-mtu&gt;     &lt;/mpls&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Path MTU configuration.
<b>Contents</b>	<p>&lt;allow-fragmentation&gt;—If needed, fragment IP before encapsulating in MPLS.</p> <p>&lt;rsvp&gt;—RSVP-specific path MTU options.</p>



**<path-selection> (configuration/logical-systems/protocols/bgp)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <protocols>  
               <bgp>  
                 **<path-selection>**  
                   <cisco-non-deterministic/>  
                   <always-compare-med/>  
                   <med-plus-igp>...</med-plus-igp>  
                   <external-router-id/>  
                 **</path-selection>**  
               </bgp>  
               </protocols>  
               </logical-systems>  
               </configuration>

**Description**   Configure path selection strategy.

**Contents**   <always-compare-med>—Always compare MED values, regardless of neighbor AS.

              <cisco-non-deterministic>—Use Cisco IOS nondeterministic path selection algorithm.

              <external-router-id>—Compare router ID on BGP externals.

              <med-plus-igp>—Add IGP cost to next-hop to MED before comparing MED values.

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

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <bgp>  
          **<path-selection>**  
          <cisco-non-deterministic/>  
          <always-compare-med/>  
          <med-plus-igp>...</med-plus-igp>  
          <external-router-id/>  
          **</path-selection>**  
          </bgp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Configure path selection strategy.

**Contents**   <always-compare-med>—Always compare MED values, regardless of neighbor AS.

              <cisco-non-deterministic>—Use Cisco IOS nondeterministic path selection algorithm.

              <external-router-id>—Compare router ID on BGP externals.

              <med-plus-igp>—Add IGP cost to next-hop to MED before comparing MED values.

**<path-selection> (configuration/protocols/bgp)**

---

**Usage**   <configuration>  
               <protocols>  
               <bgp>  
                   **<path-selection>**  
                       <cisco-non-deterministic/>  
                       <always-compare-med/>  
                       <med-plus-igp>...</med-plus-igp>  
                       <external-router-id/>  
                   **</path-selection>**  
               </bgp>  
               </protocols>  
               </configuration>

**Description**   Configure path selection strategy.

**Contents**   <always-compare-med>—Always compare MED values, regardless of neighbor AS.

                  <cisco-non-deterministic>—Use Cisco IOS nondeterministic path selection algorithm.

                  <external-router-id>—Compare router ID on BGP externals.

                  <med-plus-igp>—Add IGP cost to next-hop to MED before comparing MED values.

## **<path-selection> (configuration/routing-instances/instance/protocols/bgp)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;protocols&gt;         &lt;bgp&gt;           &lt;path-selection&gt;             &lt;cisco-non-deterministic/&gt;             &lt;always-compare-med/&gt;             &lt;med-plus-igp&gt;...&lt;/med-plus-igp&gt;             &lt;external-router-id/&gt;           &lt;/path-selection&gt;         &lt;/bgp&gt;       &lt;/protocols&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Configure path selection strategy.
<b>Contents</b>	<p>&lt;always-compare-med&gt;—Always compare MED values, regardless of neighbor AS.</p> <p>&lt;cisco-non-deterministic&gt;—Use Cisco IOS nondeterministic path selection algorithm.</p> <p>&lt;external-router-id&gt;—Compare router ID on BGP externals.</p> <p>&lt;med-plus-igp&gt;—Add IGP cost to next-hop to MED before comparing MED values.</p>

## **<payload> (configuration/forwarding-options/hash-key/family/mpls)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;forwarding-options&gt;     &lt;hash-key&gt;       &lt;family&gt;         &lt;mpls&gt;           &lt;payload&gt;             &lt;ether-pseudowire/&gt;             &lt;ip&gt;...&lt;/ip&gt;           &lt;/payload&gt;         &lt;/mpls&gt;       &lt;/family&gt;     &lt;/hash-key&gt;   &lt;/forwarding-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Include payload data in the hash key.
<b>Contents</b>	<p>&lt;ether-pseudowire&gt;—Load-balance IP over ethernet PW.</p> <p>&lt;ip&gt;—Include IPv4 or IPv6 payload data in the hash key.</p>

## **<payload> (configuration/logical-systems/routing-instances/instance/forwarding-options/hash-key/family/mpls)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <routing-instances>  
               <instance>  
               <forwarding-options>  
               <hash-key>  
               <family>  
               <mpls>  
               **<payload>**  
                   <ether-pseudowire/>  
                   <ip>...</ip>  
               **</payload>**  
               </mpls>  
               </family>  
               </hash-key>  
               </forwarding-options>  
               </instance>  
               </routing-instances>  
               </logical-systems>  
               </configuration>

**Description**   Include payload data in the hash key.

**Contents**   <ether-pseudowire>—Load-balance IP over ethernet PW.

              <ip>—Include IPv4 or IPv6 payload data in the hash key.

**<payload> (configuration/routing-instances/instance/  
forwarding-options/hash-key/family/mpls)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <forwarding-options>  
          <hash-key>  
          <family>  
          <mpls>  
          **<payload>**  
          <ether-pseudowire/>  
          <ip>...</ip>  
          **</payload>**  
          </mpls>  
          </family>  
          </hash-key>  
          </forwarding-options>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Include payload data in the hash key.

**Contents**   <ether-pseudowire>—Load-balance IP over ethernet PW.

          <ip>—Include IPv4 or IPv6 payload data in the hash key.

## **<pcrf-selection> (configuration/services/ggsn/apn/service-based-charging/policy-control/dynamic/gx-profile)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <apn>  
                 <service-based-charging>  
                     <policy-control>  
                         <dynamic>  
                             <gx-profile>  
                                 **<pcrf-selection>**  
                                     <name>*name*</name>   <!-- identifier -->  
                                     <primary-pcrf>*primary-pcrf*</primary-pcrf>  
                                     <secondary-pcrf>*secondary-pcrf*</secondary-pcrf>  
                                     <primary-pcscf>*primary-pcscf*</primary-pcscf>  
                                     <secondary-pcscf>*secondary-pcscf*</secondary-pcscf>  
                                 **</pcrf-selection>**  
                             </gx-profile>  
                         </dynamic>  
                     </policy-control>  
                 </service-based-charging>  
     </apn>  
     </ggsn>  
     </services>  
 </configuration>

**Description** Settings for selection of PCRF and P-CSCF.

**Contents** <name>—PCRF table entry.

<primary-pcrf>—Diameter host identifier of primary PCRF.

<primary-pcscf>—Primary P-CSCF IPv4 address.

<secondary-pcrf>—Diameter host identifier of secondary PCRF.

<secondary-pcscf>—Secondary P-CSCF IPv4 address.

**<pdp-context> (configuration/services/ggsn)**

**Usage** <configuration>  
           <services>  
             <ggsn>  
               **<pdp-context>**  
                 <creation>*creation-choice*</creation>  
                 <limit>*limit*</limit>  
                 <ipv6-limit>*ipv6-limit*</ipv6-limit>  
                 <l2tp-sessions>*l2tp-sessions*</l2tp-sessions>  
                 <tft-ratio>*percent*</tft-ratio>  
                 <payload-limit>*pps*</payload-limit>  
                 <reserved-secondary-capacity>*percent*</reserved-secondary-capacity>  
                 <service-based-charging-ratio>*percent*</service-based-charging-ratio>  
                 <service-based-charging-uplink-ratio>*percent*  
                   </service-based-charging-uplink-ratio>  
                 <service-classes-user-mean>*service-classes-user-mean*  
                   </service-classes-user-mean>  
                 <service-classes-cdr-mean>*service-classes-cdr-mean*  
                   </service-classes-cdr-mean>  
                 <service-identifier-cdr-mean>*service-identifier-cdr-mean*  
                   </service-identifier-cdr-mean>  
                 <allow-secondary/>  
                 <policing>...</policing>  
                 <session-control>...</session-control>  
                 <shared-msisdn/>  
                 <interfaces>...</interfaces>  
                 <signaling>...</signaling>  
               **</pdp-context>**  
             </ggsn>  
           </services>  
     </configuration>

**Description** PDP context settings.

**Contents** <allow-secondary>—Allow secondary contexts.

<creation>—PDP context creation state.

■ blocked—New PDP context creation fully blocked.

■ unblocked—No restrictions on PDP context creation.

<interfaces>—Interface-specific PDP context creation settings.

<ipv6-limit>—Maximum active IPv6 PDP contexts.

<l2tp-sessions>—Maximum L2TP sessions.

<limit>—Maximum active PDP contexts.

<payload-limit>—Maximum active payload.

<policing>—Policing settings.



<reserved-secondary-capacity>—Reserved secondary PDP context capacity.

<service-based-charging-ratio>—Service-based-charging ratio.

<service-based-charging-uplink-ratio>—Service-based-charging uplink traffic.

<service-classes-cdr-mean>—Average number of service classes accessed per SBCC context.

<service-classes-user-mean>—Average number of service classes assigned to SBCC user.

<service-identifier-cdr-mean>—Average number of service identifier accessed per SBCC context.

<session-control>—Session control settings.

<shared-msisdn>—Multiple mobiles may use same MSISDN.

<signaling>—PDP context signaling settings.

<tft-ratio>—Number of PDP contexts subject to TFT handling.

**<pdp-context> (configuration/services/ggsn/apn)**

**Usage** <configuration>  
           <services>  
             <ggsn>  
               <apn>  
                 **<pdp-context>**  
                   <creation>*creation-choice*</creation>  
                   <pdp-type>*pdp-type-choice*</pdp-type>  
                   <limit>*limit*</limit>  
                   <address>...</address>  
                   <ipv6-address>...</ipv6-address>  
                   <policing>...</policing>  
                   <session-control>...</session-control>  
                   <address-allocation>*address-allocation-choice*</address-allocation>  
                   <ipv6-address-allocation>*ipv6-address-allocation-choice*  
                     </ipv6-address-allocation>  
                   <allocation-prefix>*allocation-prefix*</allocation-prefix>  
                   <allocation-prefix-method>*allocation-prefix-method-choice*  
                     </allocation-prefix-method>  
                   <load-factor>*load-factor*</load-factor>  
                   <alarm-limit>*percent*</alarm-limit>  
                   <signaling>...</signaling>  
                   <allow-framed-ip-netmask/>  
                 **</pdp-context>**  
               </apn>  
             </ggsn>  
           </services>  
         </configuration>

**Description** APN-specific PDP context settings.

**Contents** <address>—APN IPv4 address range.

<address-allocation>—Method used to allocate IPv4 addresses to PDP contexts.

- dhcp-client—DHCP server assigns addresses.
- l2tp—L2TP assigns addresses.
- local-pool—GGSN assigns addresses from local pool.
- radius—RADIUS authentication assigns addresses.
- static—Only static addresses accepted.

<alarm-limit>—APN utilization limit at which to raise alarm.

<allocation-prefix>—Subnet prefix to use for GGSNU distribution.

<allocation-prefix-method>—Prefix allocation method to use for GGSNU distribution.

- load—Base slice allocation with even load between GGSNUs.
- slices—Base slice allocation with even number of slices between GGSNUs.

<allow-framed-ip-netmask>—Allow framed-IP-netmask attribute from RADIUS.

<creation>—PDP context creation state.

- blocked—New PDP context creation fully blocked.
- unblocked—No restrictions on PDP context creation.

<ipv6-address>—APN IPv6 address range.

<ipv6-address-allocation>—Method used to allocate IPv6 addresses to PDP contexts.

- local-pool—GGSN assigns addresses from local pool.
- radius—RADIUS authentication assigns addresses.

<limit>—Maximum active PDP contexts.

<load-factor>—PDP context load factor for GGSNU distribution.

<pdp-type>—PDP context type.

- ipv4—IPv4 PDP context type.
- ipv4+ipv6—IPv4 and IPv6 PDP contexts.
- ipv6—IPv6 PDP context type.

<policing>—Policing settings.

<session-control>—Session control settings.

<signaling>—PDP-Context signaling options for this APN.

## **<pdp-context> (configuration/services/ggsn/apn/user-category/category)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;apn&gt;         &lt;user-category&gt;           &lt;category&gt;             &lt;pdp-context&gt;               &lt;creation&gt;creation-choice&lt;/creation&gt;             &lt;/pdp-context&gt;           &lt;/category&gt;         &lt;/user-category&gt;       &lt;/apn&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	PDP context settings.
<b>Contents</b>	<p>&lt;creation&gt;—PDP context creation state.</p> <ul style="list-style-type: none"> <li>■ blocked—New PDP context creation fully blocked.</li> <li>■ unblocked—No restrictions on PDP context creation.</li> </ul>

## **<pdp-context> (configuration/services/ggsn/apn/user-category/default)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;apn&gt;         &lt;user-category&gt;           &lt;default&gt;             &lt;pdp-context&gt;               &lt;creation&gt;creation-choice&lt;/creation&gt;             &lt;/pdp-context&gt;           &lt;/default&gt;         &lt;/user-category&gt;       &lt;/apn&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	PDP context settings.
<b>Contents</b>	<p>&lt;creation&gt;—PDP context creation state.</p> <ul style="list-style-type: none"> <li>■ blocked—New PDP context creation fully blocked.</li> <li>■ unblocked—No restrictions on PDP context creation.</li> </ul>

**<peak-data-rate> (configuration/services/pgcp/gateway/h248-properties/traffic-management)**

---

**Usage**   <configuration>  
          <services>  
          <pgcp>  
          <gateway>  
          <h248-properties>  
          <traffic-management>  
          **<peak-data-rate>**  
            <default>*bytes-per-second*</default>  
            <rtcp>...</rtcp>  
          **</peak-data-rate>**  
          </traffic-management>  
          </h248-properties>  
          </gateway>  
          </pgcp>  
          </services>  
          </configuration>

**Description**   PDR permitted for the stream.

**Contents**   <default>—Default rate value.  
              <rtcp>—Default rtcp rate.

**<peer> (configuration/logical-systems/protocols/link-management)**

---

**Usage** <configuration>  
 <logical-systems>  
 <protocols>  
 <link-management>  
   **<peer>**  
     <name>name</name>   <!-- identifier -->  
     <address>address</address>   <!-- mandatory -->  
     <imp-protocol>...</imp-protocol>  
     <control-channel>...</control-channel>  
     <imp-control-channel>...</imp-control-channel>  
     <te-link>...</te-link>   <!-- mandatory -->  
   **</peer>**  
 </link-management>  
 </protocols>  
 </logical-systems>  
 </configuration>

**Description** Define a network or LMP peer.

**Contents** <address>—Address of peer.

<control-channel>—Control channel interfaces by priority.

<imp-control-channel>—Control channel IDs.

<imp-protocol>—LMP protocol attributes.

<name>—Name of peer.

<te-link>—List of TE links managed by this peer.

**<peer> (configuration/logical-systems/protocols/msdp)**

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <msdp>  
                 **<peer>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <disable/>  
                   <export>...</export>  
                   <import>...</import>  
                   <local-address>*local-address*</local-address>  
                   <traceoptions>...</traceoptions>  
                   <active-source-limit>...</active-source-limit>  
                   <default-peer/>  
                   <authentication-key>*authentication-key*</authentication-key>  
                 **</peer>**  
               </msdp>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** Configure an MSDP peer.

**Contents** <active-source-limit>—Limit the number of active sources accepted.

<authentication-key>—MD5 authentication key.

<default-peer>—Default RPF peer.

<disable>—Disable MSDP.

<export>—Export policy.

<import>—Import policy.

<local-address>—Local address.

<name>—Peer address.

<traceoptions>—Trace options for MSDP.

**<peer> (configuration/logical-systems/protocols/msdp/group)**

---

**Usage** <configuration>  
 <logical-systems>  
 <protocols>  
 <msdp>  
 <group>  
   **<peer>**  
     <name>*name*</name>   <!-- identifier -->  
     <disable/>  
     <export>...</export>  
     <import>...</import>  
     <local-address>*local-address*</local-address>  
     <traceoptions>...</traceoptions>  
     <active-source-limit>...</active-source-limit>  
     <default-peer/>  
     <authentication-key>*authentication-key*</authentication-key>  
   **</peer>**  
 </group>  
</msdp>  
</protocols>  
</logical-systems>  
</configuration>

**Description** Configure an MSDP peer.

**Contents** <active-source-limit>—Limit the number of active sources accepted.

<authentication-key>—MD5 authentication key.

<default-peer>—Default RPF peer.

<disable>—Disable MSDP.

<export>—Export policy.

<import>—Import policy.

<local-address>—Local address.

<name>—Peer address.

<traceoptions>—Trace options for MSDP.



## **<peer> (configuration/logical-systems/routing-instances/instance/protocols/msdp)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <protocols>  
                     <msdp>  
                         **<peer>**  
                             <name>*name*</name>   <!-- identifier -->  
                             <disable/>  
                             <export>...</export>  
                             <import>...</import>  
                             <local-address>*local-address*</local-address>  
                             <traceoptions>...</traceoptions>  
                             <active-source-limit>...</active-source-limit>  
                             <default-peer/>  
                             <authentication-key>*authentication-key*</authentication-key>  
                         **</peer>**  
                     </msdp>  
                 </protocols>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** Configure an MSDP peer.

**Contents** <active-source-limit>—Limit the number of active sources accepted.

<authentication-key>—MD5 authentication key.

<default-peer>—Default RPF peer.

<disable>—Disable MSDP.

<export>—Export policy.

<import>—Import policy.

<local-address>—Local address.

<name>—Peer address.

<traceoptions>—Trace options for MSDP.

## **<peer> (configuration/logical-systems/routing-instances/instance/protocols/msdp/group)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <msdp>
            <group>
              <peer>
                <name>name</name>    <!-- identifier -->
                <disable/>
                <export>...</export>
                <import>...</import>
                <local-address>local-address</local-address>
                <traceoptions>...</traceoptions>
                <active-source-limit>...</active-source-limit>
                <default-peer/>
                <authentication-key>authentication-key</authentication-key>
              </peer>
            </group>
          </msdp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Configure an MSDP peer.

**Contents**

- <active-source-limit>—Limit the number of active sources accepted.
- <authentication-key>—MD5 authentication key.
- <default-peer>—Default RPF peer.
- <disable>—Disable MSDP.
- <export>—Export policy.
- <import>—Import policy.
- <local-address>—Local address.
- <name>—Peer address.
- <traceoptions>—Trace options for MSDP.

**<peer> (configuration/protocols/link-management)**

---

**Usage** <configuration>  
           <protocols>  
             <link-management>  
               **<peer>**  
                 <name>*name*</name>   <!-- identifier -->  
                 <address>*address*</address>   <!-- mandatory -->  
                 <Imp-protocol>...</Imp-protocol>  
                 <control-channel>...</control-channel>  
                 <Imp-control-channel>...</Imp-control-channel>  
                 <te-link>...</te-link>   <!-- mandatory -->  
               **</peer>**  
             </link-management>  
           </protocols>  
         </configuration>

**Description** Define a network or LMP peer.

**Contents** <address>—Address of peer.

<control-channel>—Control channel interfaces by priority.

<Imp-control-channel>—Control channel IDs.

<Imp-protocol>—LMP protocol attributes.

<name>—Name of peer.

<te-link>—List of TE links managed by this peer.

**<peer> (configuration/protocols/msdp)**

---

**Usage** <configuration>  
           <protocols>  
           <msdp>  
           **<peer>**  
             <name>*name*</name>   <!-- identifier -->  
             <disable/>  
             <export>...</export>  
             <import>...</import>  
             <local-address>*local-address*</local-address>  
             <traceoptions>...</traceoptions>  
             <active-source-limit>...</active-source-limit>  
             <default-peer/>  
             <authentication-key>*authentication-key*</authentication-key>  
           **</peer>**  
         </msdp>  
       </protocols>  
     </configuration>

**Description** Configure an MSDP peer.

**Contents** <active-source-limit>—Limit the number of active sources accepted.

<authentication-key>—MD5 authentication key.

<default-peer>—Default RPF peer.

<disable>—Disable MSDP.

<export>—Export policy.

<import>—Import policy.

<local-address>—Local address.

<name>—Peer address.

<traceoptions>—Trace options for MSDP.

**<peer> (configuration/protocols/msdp/group)**

---

**Usage** <configuration>  
           <protocols>  
           <msdp>  
           <group>  
             **<peer>**  
               <name>*name*</name>   <!-- identifier -->  
               <disable/>  
               <export>...</export>  
               <import>...</import>  
               <local-address>*local-address*</local-address>  
               <traceoptions>...</traceoptions>  
               <active-source-limit>...</active-source-limit>  
               <default-peer/>  
               <authentication-key>*authentication-key*</authentication-key>  
             **</peer>**  
           </group>  
         </msdp>  
       </protocols>  
     </configuration>

**Description** Configure an MSDP peer.

**Contents** <active-source-limit>—Limit the number of active sources accepted.

<authentication-key>—MD5 authentication key.

<default-peer>—Default RPF peer.

<disable>—Disable MSDP.

<export>—Export policy.

<import>—Import policy.

<local-address>—Local address.

<name>—Peer address.

<traceoptions>—Trace options for MSDP.

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

---

**Usage** <configuration>  
 <routing-instances>  
 <instance>  
 <protocols>  
 <msdp>  
   **<peer>**  
     <name>*name*</name>   <!-- identifier -->  
     <disable/>  
     <export>...</export>  
     <import>...</import>  
     <local-address>*local-address*</local-address>  
     <traceoptions>...</traceoptions>  
     <active-source-limit>...</active-source-limit>  
     <default-peer/>  
     <authentication-key>*authentication-key*</authentication-key>  
   **</peer>**  
 </msdp>  
 </protocols>  
 </instance>  
 </routing-instances>  
 </configuration>

**Description** Configure an MSDP peer.

**Contents** <active-source-limit>—Limit the number of active sources accepted.

<authentication-key>—MD5 authentication key.

<default-peer>—Default RPF peer.

<disable>—Disable MSDP.

<export>—Export policy.

<import>—Import policy.

<local-address>—Local address.

<name>—Peer address.

<traceoptions>—Trace options for MSDP.

## **<peer> (configuration/routing-instances/instance/protocols/msdp/group)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <msdp>  
           <group>  
           **<peer>**  
             <name>*name*</name>   <!-- identifier -->  
             <disable/>  
             <export>...</export>  
             <import>...</import>  
             <local-address>*local-address*</local-address>  
             <traceoptions>...</traceoptions>  
             <active-source-limit>...</active-source-limit>  
             <default-peer/>  
             <authentication-key>*authentication-key*</authentication-key>  
           **</peer>**  
           </group>  
           </msdp>  
           </protocols>  
           </instance>  
           </routing-instances>  
         </configuration>

**Description**   Configure an MSDP peer.

**Contents**   <active-source-limit>—Limit the number of active sources accepted.

          <authentication-key>—MD5 authentication key.

          <default-peer>—Default RPF peer.

          <disable>—Disable MSDP.

          <export>—Export policy.

          <import>—Import policy.

          <local-address>—Local address.

          <name>—Peer address.

          <traceoptions>—Trace options for MSDP.

## **<peer> (configuration/services/ggsn/service-based-charging/diameter-application-system)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;service-based-charging&gt;         &lt;diameter-application-system&gt;           &lt;peer&gt;             &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;             &lt;priority&gt;priority&lt;/priority&gt;           &lt;/peer&gt;         &lt;/diameter-application-system&gt;       &lt;/service-based-charging&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Diameter peers and priorities.
<b>Contents</b>	<p>&lt;name&gt;—Diameter peer id.</p> <p>&lt;priority&gt;—Priority of the peer.</p>

## **<peer> (configuration/services/ggsn/service-based-charging/subscription-update-nodes)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;service-based-charging&gt;         &lt;subscription-update-nodes&gt;           &lt;peer&gt;             &lt;address&gt;address&lt;/address&gt;    &lt;!-- identifier --&gt;             &lt;port&gt;port&lt;/port&gt;    &lt;!-- identifier --&gt;           &lt;/peer&gt;         &lt;/subscription-update-nodes&gt;       &lt;/service-based-charging&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	External update node configuration.
<b>Contents</b>	<p>&lt;address&gt;—IP address of external update node.</p> <p>&lt;port&gt;—Port number of external update node.</p>



**<peer> (configuration/services/mobile-ip)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;mobile-ip&gt;       &lt;peer&gt;         &lt;ip-address&gt;...&lt;/ip-address&gt;         &lt;nai&gt;...&lt;/nai&gt;       &lt;/peer&gt;     &lt;/mobile-ip&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Configure remote peers.
<b>Contents</b>	<p>&lt;ip-address&gt;—Remote peer's ip-address.</p> <p>&lt;nai&gt;—Remote peer's network access identifier.</p>

**<peer> (configuration/system/ntp)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;system&gt;     &lt;ntp&gt;       &lt;peer&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;key&gt;key&lt;/key&gt;         &lt;version&gt;version&lt;/version&gt;         &lt;prefer/&gt;       &lt;/peer&gt;     &lt;/ntp&gt;   &lt;/system&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Peer parameters.
<b>Contents</b>	<p>&lt;key&gt;—Authentication key.</p> <p>&lt;name&gt;—Name or address of peer.</p> <p>&lt;prefer&gt;—Prefer this peer.</p> <p>&lt;version&gt;—NTP version to use.</p>

## **<peer-as> (configuration/logical-systems/routing-instances/instance/protocols/l2vpn/mesh-group)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <protocols>  
                     <l2vpn>  
                         <mesh-group>  
                             **<peer-as>**  
                                 <all/>  
                             **</peer-as>**  
                         </mesh-group>  
                     </l2vpn>  
                 </protocols>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** Autonomous system of the peer.

**Contents** <all>—Include peers from all autonomous systems.

## **<peer-as> (configuration/logical-systems/routing-instances/instance/protocols/vpls/mesh-group)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <protocols>  
                     <vpls>  
                         <mesh-group>  
                             **<peer-as>**  
                                 <all/>  
                             **</peer-as>**  
                         </mesh-group>  
                     </vpls>  
                 </protocols>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** Autonomous system of the peer.

**Contents** <all>—Include peers from all autonomous systems.

## **<peer-as> (configuration/routing-instances/instance/protocols/l2vpn/mesh-group)**

---

**Usage** <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <l2vpn>  
           <mesh-group>  
           **<peer-as>**  
           <all/>  
           **</peer-as>**  
           </mesh-group>  
           </l2vpn>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description** Autonomous system of the peer.

**Contents** <all>—Include peers from all autonomous systems.

## **<peer-as> (configuration/routing-instances/instance/protocols/vpls/mesh-group)**

---

**Usage** <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <vpls>  
           <mesh-group>  
           **<peer-as>**  
           <all/>  
           **</peer-as>**  
           </mesh-group>  
           </vpls>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description** Autonomous system of the peer.

**Contents** <all>—Include peers from all autonomous systems.

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;dynamic-profiles&gt;     &lt;interfaces&gt;       &lt;interface&gt;         &lt;unit&gt;           &lt;peer-interface&gt;             &lt;interface-name&gt;interface-name&lt;/interface-name&gt;           &lt;/peer-interface&gt;         &lt;/unit&gt;       &lt;/interface&gt;     &lt;/interfaces&gt;   &lt;/dynamic-profiles&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Peer interface.
<b>Contents</b>	<interface-name>—Peer interface name.

## **<peer-interface> (configuration/interfaces/interface/unit)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;interfaces&gt;     &lt;interface&gt;       &lt;unit&gt;         &lt;peer-interface&gt;           &lt;interface-name&gt;interface-name&lt;/interface-name&gt;         &lt;/peer-interface&gt;       &lt;/unit&gt;     &lt;/interface&gt;   &lt;/interfaces&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Peer interface.
<b>Contents</b>	<interface-name>—Peer interface name.

**<peer-interface> (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;peer-interface&gt;             &lt;interface-name&gt;interface-name&lt;/interface-name&gt;           &lt;/peer-interface&gt;         &lt;/unit&gt;       &lt;/interface&gt;     &lt;/interfaces&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Peer interface.
<b>Contents</b>	<interface-name>—Peer interface name.

## <peer-interface> (configuration/logical-systems/protocols/ospf/area)

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <ospf>
        <area>
          <peer-interface>
            <name>name</name>    <!-- identifier -->
            <disable/>
            <retransmit-interval>retransmit-interval</retransmit-interval>
            <transit-delay>transit-delay</transit-delay>
            <hello-interval>hello-interval</hello-interval>
            <dead-interval>dead-interval</dead-interval>
            <authentication>...</authentication>
            <demand-circuit/>
            <no-neighbor-down-notification/>
          </peer-interface>
        </area>
      </ospf>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Configuration for peer interface.

**Contents** <authentication>—No documentation is available yet.

<dead-interval>—Dead interval (seconds).

<demand-circuit>—Interface functions as a demand circuit.

<disable>—Disable OSPF on this control peer.

<hello-interval>—Hello interval (seconds).

<name>—Name of peer interface.

<no-neighbor-down-notification>—Don't inform other protocols about neighbor down events.

<retransmit-interval>—Retransmission interval (seconds).

<transit-delay>—Transit delay (seconds).

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

---

**Usage**   <configuration>  
               <logical-systems>  
               <protocols>  
               <ospf3>  
               <area>  
                   **<peer-interface>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <disable/>  
                   <retransmit-interval>*retransmit-interval*</retransmit-interval>  
                   <transit-delay>*transit-delay*</transit-delay>  
                   <hello-interval>*hello-interval*</hello-interval>  
                   <dead-interval>*dead-interval*</dead-interval>  
                   <authentication>...</authentication>  
                   <demand-circuit/>  
                   <no-neighbor-down-notification/>  
                   **</peer-interface>**  
               </area>  
               </ospf3>  
               </protocols>  
               </logical-systems>  
               </configuration>

**Description**   Configuration for peer interface.

**Contents**   <authentication>—No documentation is available yet.

              <dead-interval>—Dead interval (seconds).

              <demand-circuit>—Interface functions as a demand circuit.

              <disable>—Disable OSPF on this control peer.

              <hello-interval>—Hello interval (seconds).

              <name>—Name of peer interface.

              <no-neighbor-down-notification>—Don't inform other protocols about neighbor down events.

              <retransmit-interval>—Retransmission interval (seconds).

              <transit-delay>—Transit delay (seconds).

## <peer-interface> (configuration/logical-systems/protocols/ospf3/ realm/area)

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <ospf3>
        <realm>
          <area>
            <peer-interface>
              <name>name</name>    <!-- identifier -->
              <disable/>
              <retransmit-interval>retransmit-interval</retransmit-interval>
              <transit-delay>transit-delay</transit-delay>
              <hello-interval>hello-interval</hello-interval>
              <dead-interval>dead-interval</dead-interval>
              <authentication>...</authentication>
              <demand-circuit/>
              <no-neighbor-down-notification/>
            </peer-interface>
          </area>
        </realm>
      </ospf3>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Configuration for peer interface.

**Contents**

- <authentication>—No documentation is available yet.
- <dead-interval>—Dead interval (seconds).
- <demand-circuit>—Interface functions as a demand circuit.
- <disable>—Disable OSPF on this control peer.
- <hello-interval>—Hello interval (seconds).
- <name>—Name of peer interface.
- <no-neighbor-down-notification>—Don't inform other protocols about neighbor down events.
- <retransmit-interval>—Retransmission interval (seconds).
- <transit-delay>—Transit delay (seconds).



**<peer-interface> (configuration/logical-systems/protocols/rsvp)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <rsvp>  
             **<peer-interface>**  
               <name>name</name>   <!-- identifier -->  
               <disable/>  
               <authentication-key>authentication-key</authentication-key>  
               <aggregate/>  
               <reliable/>  
               <hello-interval>seconds</hello-interval>  
             **</peer-interface>**  
           </rsvp>  
         </protocols>  
       </logical-systems>  
     </configuration>

**Description** Configuration for peer interface.

**Contents** <aggregate>—Permit refresh reduction extensions on the interface.

<authentication-key>—Authentication password.

<disable>—Disable RSVP on this control peer.

<hello-interval>—Hello interval.

<name>—Name of peer interface.

<reliable>—Permit reliable message delivery on the interface.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <ospf>
            <area>
              <peer-interface>
                <name>name</name>    <!-- identifier -->
                <disable/>
                <retransmit-interval>retransmit-interval</retransmit-interval>
                <transit-delay>transit-delay</transit-delay>
                <hello-interval>hello-interval</hello-interval>
                <dead-interval>dead-interval</dead-interval>
                <authentication>...</authentication>
                <demand-circuit/>
                <no-neighbor-down-notification/>
              </peer-interface>
            </area>
          </ospf>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Configuration for peer interface.

**Contents** <authentication>—No documentation is available yet.

<dead-interval>—Dead interval (seconds).

<demand-circuit>—Interface functions as a demand circuit.

<disable>—Disable OSPF on this control peer.

<hello-interval>—Hello interval (seconds).

<name>—Name of peer interface.

<no-neighbor-down-notification>—Don't inform other protocols about neighbor down events.

<retransmit-interval>—Retransmission interval (seconds).

<transit-delay>—Transit delay (seconds).

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

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <protocols>  
                     <ospf3>  
                         <area>  
                             **<peer-interface>**  
                                 <name>*name*</name>   <!-- identifier -->  
                                 <disable/>  
                                 <retransmit-interval>*retransmit-interval*</retransmit-interval>  
                                 <transit-delay>*transit-delay*</transit-delay>  
                                 <hello-interval>*hello-interval*</hello-interval>  
                                 <dead-interval>*dead-interval*</dead-interval>  
                                 <authentication>...</authentication>  
                                 <demand-circuit/>  
                                 <no-neighbor-down-notification/>  
                             **</peer-interface>**  
                         </area>  
                     </ospf3>  
                 </protocols>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** Configuration for peer interface.

**Contents** <authentication>—No documentation is available yet.

<dead-interval>—Dead interval (seconds).

<demand-circuit>—Interface functions as a demand circuit.

<disable>—Disable OSPF on this control peer.

<hello-interval>—Hello interval (seconds).

<name>—Name of peer interface.

<no-neighbor-down-notification>—Don't inform other protocols about neighbor down events.

<retransmit-interval>—Retransmission interval (seconds).

<transit-delay>—Transit delay (seconds).

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <ospf3>
            <realm>
              <area>
                <peer-interface>
                  <name>name</name>    <!-- identifier -->
                  <disable/>
                  <retransmit-interval>retransmit-interval</retransmit-interval>
                  <transit-delay>transit-delay</transit-delay>
                  <hello-interval>hello-interval</hello-interval>
                  <dead-interval>dead-interval</dead-interval>
                  <authentication>...</authentication>
                  <demand-circuit/>
                  <no-neighbor-down-notification/>
                </peer-interface>
              </area>
            </realm>
          </ospf3>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Configuration for peer interface.

**Contents** <authentication>—No documentation is available yet.

<dead-interval>—Dead interval (seconds).

<demand-circuit>—Interface functions as a demand circuit.

<disable>—Disable OSPF on this control peer.

<hello-interval>—Hello interval (seconds).

<name>—Name of peer interface.

<no-neighbor-down-notification>—Don't inform other protocols about neighbor down events.

<retransmit-interval>—Retransmission interval (seconds).

<transit-delay>—Transit delay (seconds).

**<peer-interface> (configuration/protocols/ospf/area)**

---

**Usage** <configuration>  
           <protocols>  
           <ospf>  
           <area>  
             **<peer-interface>**  
               <name>*name*</name>   <!-- identifier -->  
               <disable/>  
               <retransmit-interval>*retransmit-interval*</retransmit-interval>  
               <transit-delay>*transit-delay*</transit-delay>  
               <hello-interval>*hello-interval*</hello-interval>  
               <dead-interval>*dead-interval*</dead-interval>  
               <authentication>...</authentication>  
               <demand-circuit/>  
               <no-neighbor-down-notification/>  
             **</peer-interface>**  
           </area>  
         </ospf>  
       </protocols>  
     </configuration>

**Description** Configuration for peer interface.

**Contents** <authentication>—No documentation is available yet.

<dead-interval>—Dead interval (seconds).

<demand-circuit>—Interface functions as a demand circuit.

<disable>—Disable OSPF on this control peer.

<hello-interval>—Hello interval (seconds).

<name>—Name of peer interface.

<no-neighbor-down-notification>—Don't inform other protocols about neighbor down events.

<retransmit-interval>—Retransmission interval (seconds).

<transit-delay>—Transit delay (seconds).

**<peer-interface> (configuration/protocols/ospf3/area)**

---

**Usage** <configuration>  
           <protocols>  
             <ospf3>  
               <area>  
                 **<peer-interface>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <disable/>  
                   <retransmit-interval>*retransmit-interval*</retransmit-interval>  
                   <transit-delay>*transit-delay*</transit-delay>  
                   <hello-interval>*hello-interval*</hello-interval>  
                   <dead-interval>*dead-interval*</dead-interval>  
                   <authentication>...</authentication>  
                   <demand-circuit/>  
                   <no-neighbor-down-notification/>  
                 **</peer-interface>**  
               </area>  
             </ospf3>  
           </protocols>  
         </configuration>

**Description** Configuration for peer interface.

**Contents** <authentication>—No documentation is available yet.

<dead-interval>—Dead interval (seconds).

<demand-circuit>—Interface functions as a demand circuit.

<disable>—Disable OSPF on this control peer.

<hello-interval>—Hello interval (seconds).

<name>—Name of peer interface.

<no-neighbor-down-notification>—Don't inform other protocols about neighbor down events.

<retransmit-interval>—Retransmission interval (seconds).

<transit-delay>—Transit delay (seconds).

**<peer-interface> (configuration/protocols/ospf3/realm/area)**

---

**Usage** <configuration>  
           <protocols>  
             <ospf3>  
               <realm>  
                 <area>  
                   **<peer-interface>**  
                     <name>*name*</name>   <!-- identifier -->  
                     <disable/>  
                     <retransmit-interval>*retransmit-interval*</retransmit-interval>  
                     <transit-delay>*transit-delay*</transit-delay>  
                     <hello-interval>*hello-interval*</hello-interval>  
                     <dead-interval>*dead-interval*</dead-interval>  
                     <authentication>...</authentication>  
                     <demand-circuit/>  
                     <no-neighbor-down-notification/>  
                   **</peer-interface>**  
                 </area>  
               </realm>  
             </ospf3>  
           </protocols>  
         </configuration>

**Description** Configuration for peer interface.

**Contents** <authentication>—No documentation is available yet.

<dead-interval>—Dead interval (seconds).

<demand-circuit>—Interface functions as a demand circuit.

<disable>—Disable OSPF on this control peer.

<hello-interval>—Hello interval (seconds).

<name>—Name of peer interface.

<no-neighbor-down-notification>—Don't inform other protocols about neighbor down events.

<retransmit-interval>—Retransmission interval (seconds).

<transit-delay>—Transit delay (seconds).

**<peer-interface> (configuration/protocols/rsvp)**

---

**Usage** <configuration>  
           <protocols>  
             <rsvp>  
               **<peer-interface>**  
                 <name>*name*</name>   <!-- identifier -->  
                 <disable/>  
                 <authentication-key>*authentication-key*</authentication-key>  
                 <aggregate/>  
                 <reliable/>  
                 <hello-interval>*seconds*</hello-interval>  
               **</peer-interface>**  
             </rsvp>  
           </protocols>  
         </configuration>

**Description** Configuration for peer interface.

**Contents** <aggregate>—Permit refresh reduction extensions on the interface.

<authentication-key>—Authentication password.

<disable>—Disable RSVP on this control peer.

<hello-interval>—Hello interval.

<name>—Name of peer interface.

<reliable>—Permit reliable message delivery on the interface.



## **<peer-interface> (configuration/routing-instances/instance/protocols/ospf/area)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <protocols>  
                 <ospf>  
                     <area>  
                         **<peer-interface>**  
                             <name>*name*</name>   <!-- identifier -->  
                             <disable/>  
                             <retransmit-interval>*retransmit-interval*</retransmit-interval>  
                             <transit-delay>*transit-delay*</transit-delay>  
                             <hello-interval>*hello-interval*</hello-interval>  
                             <dead-interval>*dead-interval*</dead-interval>  
                             <authentication>...</authentication>  
                             <demand-circuit/>  
                             <no-neighbor-down-notification/>  
                         **</peer-interface>**  
                     </area>  
                 </ospf>  
             </protocols>  
         </instance>  
     </routing-instances>  
</configuration>

**Description** Configuration for peer interface.

**Contents** <authentication>—No documentation is available yet.

<dead-interval>—Dead interval (seconds).

<demand-circuit>—Interface functions as a demand circuit.

<disable>—Disable OSPF on this control peer.

<hello-interval>—Hello interval (seconds).

<name>—Name of peer interface.

<no-neighbor-down-notification>—Don't inform other protocols about neighbor down events.

<retransmit-interval>—Retransmission interval (seconds).

<transit-delay>—Transit delay (seconds).

## <peer-interface> (configuration/routing-instances/instance/protocols/ospf3/area)

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <ospf3>
          <area>
            <peer-interface>
              <name>name</name>    <!-- identifier -->
              <disable/>
              <retransmit-interval>retransmit-interval</retransmit-interval>
              <transit-delay>transit-delay</transit-delay>
              <hello-interval>hello-interval</hello-interval>
              <dead-interval>dead-interval</dead-interval>
              <authentication>...</authentication>
              <demand-circuit/>
              <no-neighbor-down-notification/>
            </peer-interface>
          </area>
        </ospf3>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Configuration for peer interface.

**Contents** <authentication>—No documentation is available yet.

<dead-interval>—Dead interval (seconds).

<demand-circuit>—Interface functions as a demand circuit.

<disable>—Disable OSPF on this control peer.

<hello-interval>—Hello interval (seconds).

<name>—Name of peer interface.

<no-neighbor-down-notification>—Don't inform other protocols about neighbor down events.

<retransmit-interval>—Retransmission interval (seconds).

<transit-delay>—Transit delay (seconds).

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

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <ospf3>  
           <realm>  
           <area>  
           **<peer-interface>**  
           <name>*name*</name>   <!-- identifier -->  
           <disable/>  
           <retransmit-interval>*retransmit-interval*</retransmit-interval>  
           <transit-delay>*transit-delay*</transit-delay>  
           <hello-interval>*hello-interval*</hello-interval>  
           <dead-interval>*dead-interval*</dead-interval>  
           <authentication>...</authentication>  
           <demand-circuit/>  
           <no-neighbor-down-notification/>  
           **</peer-interface>**  
           </area>  
           </realm>  
           </ospf3>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Configuration for peer interface.

**Contents**   <authentication>—No documentation is available yet.

          <dead-interval>—Dead interval (seconds).

          <demand-circuit>—Interface functions as a demand circuit.

          <disable>—Disable OSPF on this control peer.

          <hello-interval>—Hello interval (seconds).

          <name>—Name of peer interface.

          <no-neighbor-down-notification>—Don't inform other protocols about neighbor down events.

          <retransmit-interval>—Retransmission interval (seconds).

          <transit-delay>—Transit delay (seconds).

**<pem> (configuration/chassis)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;chassis&gt;     &lt;pem&gt;       &lt;minimum&gt;minimum&lt;/minimum&gt;     &lt;/pem&gt;   &lt;/chassis&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Power supply (PEM) parameters.
<b>Contents</b>	<minimum>—Minimum number of power supplies required for normal operation.

**<per-flow> (configuration/forwarding-options/load-balance)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;forwarding-options&gt;     &lt;load-balance&gt;       &lt;per-flow&gt;         &lt;hash-seed/&gt;    &lt;!-- mandatory --&gt;       &lt;/per-flow&gt;     &lt;/load-balance&gt;   &lt;/forwarding-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	No documentation is available yet.
<b>Contents</b>	<hash-seed>—Enable per flow seed value on packet forwarding engine.

**<per-flow> (configuration/logical-systems/routing-instances/instance/forwarding-options/load-balance)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-instances&gt;       &lt;instance&gt;         &lt;forwarding-options&gt;           &lt;load-balance&gt;             &lt;per-flow&gt;               &lt;hash-seed/&gt;    &lt;!-- mandatory --&gt;             &lt;/per-flow&gt;           &lt;/load-balance&gt;         &lt;/forwarding-options&gt;       &lt;/instance&gt;     &lt;/routing-instances&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	No documentation is available yet.
<b>Contents</b>	<hash-seed>—Enable per flow seed value on packet forwarding engine.

## **<per-flow> (configuration/routing-instances/instance/forwarding-options/load-balance)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <forwarding-options>  
           <load-balance>  
           **<per-flow>**  
           <hash-seed/>   <!-- mandatory -->  
           **</per-flow>**  
           </load-balance>  
           </forwarding-options>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   No documentation is available yet.

**Contents**   <hash-seed>—Enable per flow seed value on packet forwarding engine.

## **<per-prefix> (configuration/forwarding-options/load-balance)**

---

**Usage**   <configuration>  
           <forwarding-options>  
           <load-balance>  
           **<per-prefix>**  
           <hash-seed>*hash-seed*</hash-seed>  
           **</per-prefix>**  
           </load-balance>  
           </forwarding-options>  
           </configuration>

**Description**   No documentation is available yet.

**Contents**   <hash-seed>—Specifies per-router input value for per-prefix load-balancing hash function.

## **<per-prefix> (configuration/logical-systems/routing-instances/instance/forwarding-options/load-balance)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <forwarding-options>  
                     <load-balance>  
                         **<per-prefix>**  
                             <hash-seed>*hash-seed*</hash-seed>  
                         **</per-prefix>**  
                     </load-balance>  
                 </forwarding-options>  
     </instance>  
     </routing-instances>  
     </logical-systems>  
 </configuration>

**Description** No documentation is available yet.

**Contents** <hash-seed>—Specifies per-router input value for per-prefix load-balancing hash function.

## **<per-prefix> (configuration/routing-instances/instance/forwarding-options/load-balance)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <forwarding-options>  
                 <load-balance>  
                     **<per-prefix>**  
                         <hash-seed>*hash-seed*</hash-seed>  
                     **</per-prefix>**  
                 </load-balance>  
     </forwarding-options>  
     </instance>  
     </routing-instances>  
 </configuration>

**Description** No documentation is available yet.

**Contents** <hash-seed>—Specifies per-router input value for per-prefix load-balancing hash function.

**<perfect-forward-secrecy> (configuration/security/ipsec/policy)**

---

**Usage** <configuration>  
           <security>  
             <ipsec>  
               <policy>  
                 **<perfect-forward-secrecy>**  
                   <keys>keys-choice</keys>  
                 **</perfect-forward-secrecy>**  
               </policy>  
             </ipsec>  
           </security>  
         </configuration>

**Description** Define perfect forward secrecy.

**Contents** <keys>—Define Diffie-Hellman group.

- group1—Diffie-Hellman Group1.
- group2—Diffie-Hellman Group2.

**<perfect-forward-secrecy> (configuration/services/ipsec-vpn/ipsec/policy)**

---

**Usage** <configuration>  
           <services>  
             <ipsec-vpn>  
               <ipsec>  
                 <policy>  
                   **<perfect-forward-secrecy>**  
                     <keys>keys-choice</keys>  
                   **</perfect-forward-secrecy>**  
                 </policy>  
               </ipsec>  
             </ipsec-vpn>  
           </services>  
         </configuration>

**Description** Define perfect forward secrecy.

**Contents** <keys>—Define Diffie-Hellman group.

- group1—Diffie-Hellman Group1.
- group2—Diffie-Hellman Group2.

## <periodic-traceroute> (configuration/logical-systems/protocols/ldp/oam)

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <ldp>
        <oam>
          <periodic-traceroute>
            <frequency>minutes</frequency>
            <ttl>ttl</ttl>
            <retries>retries</retries>
            <wait>seconds</wait>
            <paths>paths</paths>
            <source>source</source>
            <exp>exp</exp>
            <fanout>fanout</fanout>
          </periodic-traceroute>
        </oam>
      </ldp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Configure periodic traceroute.

**Contents**

- <exp>—Class-of-service value to use when sending probes.
- <fanout>—Maximum number of nexthops to search per node.
- <frequency>—Time between traceroute attempts.
- <paths>—Maximum number of paths to traverse.
- <retries>—Number of times to resend probe.
- <source>—Source address to use when sending probes.
- <ttl>—Maximum time-to-live value.
- <wait>—Time to wait before resending probe.



## **<periodic-traceroute> (configuration/logical-systems/protocols/ldp/oam/fec)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <ldp>
        <oam>
          <fec>
            <periodic-traceroute>
              <frequency>minutes</frequency>
              <ttl>t</ttl>
              <retries>retries</retries>
              <wait>seconds</wait>
              <paths>paths</paths>
              <source>source</source>
              <exp>exp</exp>
              <fanout>fanout</fanout>
              <disable/>
            </periodic-traceroute>
          </fec>
        </oam>
      </ldp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Configure periodic traceroute.

**Contents**

- <disable>—Disable periodic traceroute for a FEC.
- <exp>—Class-of-service value to use when sending probes.
- <fanout>—Maximum number of nexthops to search per node.
- <frequency>—Time between traceroute attempts.
- <paths>—Maximum number of paths to traverse.
- <retries>—Number of times to resend probe.
- <source>—Source address to use when sending probes.
- <ttl>—Maximum time-to-live value.
- <wait>—Time to wait before resending probe.

## **<periodic-traceroute> (configuration/logical-systems/routing-instances/instance/protocols/ldp/oam)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <ldp>
            <oam>
              <periodic-traceroute>
                <frequency>minutes</frequency>
                <ttl>ttl</ttl>
                <retries>retries</retries>
                <wait>seconds</wait>
                <paths>paths</paths>
                <source>source</source>
                <exp>exp</exp>
                <fanout>fanout</fanout>
              </periodic-traceroute>
            </oam>
          </ldp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Configure periodic traceroute.

**Contents**

- <exp>—Class-of-service value to use when sending probes.
- <fanout>—Maximum number of nexthops to search per node.
- <frequency>—Time between traceroute attempts.
- <paths>—Maximum number of paths to traverse.
- <retries>—Number of times to resend probe.
- <source>—Source address to use when sending probes.
- <ttl>—Maximum time-to-live value.
- <wait>—Time to wait before resending probe.

## **<periodic-traceroute> (configuration/logical-systems/routing-instances/instance/protocols/ldp/oam/fec)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <protocols>  
                     <ldp>  
                         <oam>  
                             <fec>  
                                 **<periodic-traceroute>**  
                                     <frequency>*minutes*</frequency>  
                                     <ttl>*ttl*</ttl>  
                                     <retries>*retries*</retries>  
                                     <wait>*seconds*</wait>  
                                     <paths>*paths*</paths>  
                                     <source>*source*</source>  
                                     <exp>*exp*</exp>  
                                     <fanout>*fanout*</fanout>  
                                     <disable/>  
                                 **</periodic-traceroute>**  
                             </fec>  
                         </oam>  
                 </ldp>  
         </protocols>  
     </instance>  
   </routing-instances>  
</logical-systems>  
</configuration>

**Description** Configure periodic traceroute.

**Contents** <disable>—Disable periodic traceroute for a FEC.

<exp>—Class-of-service value to use when sending probes.

<fanout>—Maximum number of nexthops to search per node.

<frequency>—Time between traceroute attempts.

<paths>—Maximum number of paths to traverse.

<retries>—Number of times to resend probe.

<source>—Source address to use when sending probes.

<ttl>—Maximum time-to-live value.

<wait>—Time to wait before resending probe.

**<periodic-traceroute> (configuration/protocols/ldp/oam)**

---

**Usage** <configuration>  
 <protocols>  
 <ldp>  
 <oam>  
   **<periodic-traceroute>**  
     <frequency>*minutes*</frequency>  
     <ttl>*ttl*</ttl>  
     <retries>*retries*</retries>  
     <wait>*seconds*</wait>  
     <paths>*paths*</paths>  
     <source>*source*</source>  
     <exp>*exp*</exp>  
     <fanout>*fanout*</fanout>  
   **</periodic-traceroute>**  
 </oam>  
</ldp>  
</protocols>  
</configuration>

**Description** Configure periodic traceroute.

**Contents** <exp>—Class-of-service value to use when sending probes.

<fanout>—Maximum number of nexthops to search per node.

<frequency>—Time between traceroute attempts.

<paths>—Maximum number of paths to traverse.

<retries>—Number of times to resend probe.

<source>—Source address to use when sending probes.

<ttl>—Maximum time-to-live value.

<wait>—Time to wait before resending probe.

**<periodic-traceroute> (configuration/protocols/ldp/oam/fec)**

---

**Usage** <configuration>  
           <protocols>  
             <ldp>  
               <oam>  
                 <fec>  
                   **<periodic-traceroute>**  
                     <frequency>*minutes*</frequency>  
                     <ttl>*ttl*</ttl>  
                     <retries>*retries*</retries>  
                     <wait>*seconds*</wait>  
                     <paths>*paths*</paths>  
                     <source>*source*</source>  
                     <exp>*exp*</exp>  
                     <fanout>*fanout*</fanout>  
                     <disable/>  
                   **</periodic-traceroute>**  
                 </fec>  
               </oam>  
             </ldp>  
           </protocols>  
         </configuration>

**Description** Configure periodic traceroute.

**Contents** <disable>—Disable periodic traceroute for a FEC.

<exp>—Class-of-service value to use when sending probes.

<fanout>—Maximum number of nexthops to search per node.

<frequency>—Time between traceroute attempts.

<paths>—Maximum number of paths to traverse.

<retries>—Number of times to resend probe.

<source>—Source address to use when sending probes.

<ttl>—Maximum time-to-live value.

<wait>—Time to wait before resending probe.

## **<periodic-traceroute> (configuration/routing-instances/instance/protocols/ldp/oam)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <ldp>
          <oam>
            <periodic-traceroute>
              <frequency>minutes</frequency>
              <ttl>t</t>
              <retries>retries</retries>
              <wait>seconds</wait>
              <paths>paths</paths>
              <source>source</source>
              <exp>exp</exp>
              <fanout>fanout</fanout>
            </periodic-traceroute>
          </oam>
        </ldp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Configure periodic traceroute.

**Contents**

- <exp>—Class-of-service value to use when sending probes.
- <fanout>—Maximum number of nexthops to search per node.
- <frequency>—Time between traceroute attempts.
- <paths>—Maximum number of paths to traverse.
- <retries>—Number of times to resend probe.
- <source>—Source address to use when sending probes.
- <t<—Maximum time-to-live value.
- <wait>—Time to wait before resending probe.

## **<periodic-traceroute> (configuration/routing-instances/instance/protocols/ldp/oam/fec)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <protocols>  
                 <ldp>  
                     <oam>  
                         <fec>  
                             **<periodic-traceroute>**  
                                 <frequency>*minutes*</frequency>  
                                 <ttl>*ttl*</ttl>  
                                 <retries>*retries*</retries>  
                                 <wait>*seconds*</wait>  
                                 <paths>*paths*</paths>  
                                 <source>*source*</source>  
                                 <exp>*exp*</exp>  
                                 <fanout>*fanout*</fanout>  
                                 <disable/>  
                             **</periodic-traceroute>**  
                         </fec>  
                     </oam>  
                 </ldp>  
             </protocols>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Configure periodic traceroute.

**Contents** <disable>—Disable periodic traceroute for a FEC.

<exp>—Class-of-service value to use when sending probes.

<fanout>—Maximum number of nexthops to search per node.

<frequency>—Time between traceroute attempts.

<paths>—Maximum number of paths to traverse.

<retries>—Number of times to resend probe.

<source>—Source address to use when sending probes.

<ttl>—Maximum time-to-live value.

<wait>—Time to wait before resending probe.

**<permissions> (configuration/system/login/class)**

---

**Usage**   <configuration>  
           <system>  
           <login>  
           <class>  
             **<permissions>**  
               <name>*name*</name>   <!-- identifier -->  
             **</permissions>**  
           </class>  
         </login>  
       </system>  
     </configuration>

**Description**   Set of permitted operation categories.

**Contents**     <name>—No documentation is available yet.

**<pgcp> (configuration/services)**

---

**Usage**   <configuration>  
           <services>  
             **<pgcp>**  
               <traceoptions>...</traceoptions>  
               <media-service>...</media-service>  
               <virtual-interface>...</virtual-interface>   <!-- mandatory -->  
               <gateway>...</gateway>  
               <rule>...</rule>  
               <rule-set>...</rule-set>  
               <session-mirroring>...</session-mirroring>  
               <notification-rate-limit>*notification-rate-limit*</notification-rate-limit>  
             **</pgcp>**  
           </services>  
         </configuration>

**Description**   Packet Gateway Control Protocol services configuration.

**Contents**     <gateway>—One or more Packet Gateways.

                  <media-service>—One or more PGCP media service.

                  <notification-rate-limit>—Max number of notifications/second sent to PGC.

                  <rule>—One or more PGCP rules.

                  <rule-set>—Define a Set of PGCP rules.

                  <session-mirroring>—Session mirroring configuration.

                  <traceoptions>—Trace options for packet gateway service.

                  <virtual-interface>—One or more Virtual Interfaces.



**<pgcp> (configuration/services/nat/pool)**

---

**Usage** <configuration>  
           <services>  
             <nat>  
               <pool>  
                 **<pgcp>**  
                   <remotely-controlled/>  
                   <ports-per-session>*ports-per-session*</ports-per-session>  
                   <hint>...</hint>  
                   <transport>...</transport>  
                 **</pgcp>**  
               </pool>  
             </nat>  
           </services>  
         </configuration>

**Description** NAT pool should be used exclusive by the pgcp service.

**Contents** <hint>—NAT-hint list (Any string available up to 3 characters, not mandatory field).  
               <ports-per-session>—Number of ports to allocate in each call setup.  
               <remotely-controlled>—Remotely controlled NAT pool allocation.  
               <transport>—NAT pool transport types list.

**<pgcp-rule-sets> (configuration/services/service-set)**

---

**Usage** <configuration>  
           <services>  
             <service-set>  
               **<pgcp-rule-sets>**  
                 <name>*name*</name>   <!-- identifier -->  
               **</pgcp-rule-sets>**  
             </service-set>  
           </services>  
         </configuration>

**Description** One or more PGCP rule sets.

**Contents** <name>—Name of rule set.

**<pgcp-rules> (configuration/services/service-set)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;service-set&gt;       &lt;pgcp-rules&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;       &lt;/pgcp-rules&gt;     &lt;/service-set&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	One or more PGCP rules.
<b>Contents</b>	<name>—Rule name.

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;protocols&gt;       &lt;pgm&gt;         &lt;traceoptions&gt;...&lt;/traceoptions&gt;       &lt;/pgm&gt;     &lt;/protocols&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	PGM options.
<b>Contents</b>	<traceoptions>—PGM trace options.

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;pgm&gt;       &lt;traceoptions&gt;...&lt;/traceoptions&gt;     &lt;/pgm&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	PGM options.
<b>Contents</b>	<traceoptions>—PGM trace options.

**<pic> (configuration/chassis/fpc)**

```

Usage    <configuration>
            <chassis>
            <fpc>
            <pic>
                <name>name</name>    <!-- identifier -->
                <tunnel-services>...</tunnel-services>
                <adaptive-services>...</adaptive-services>
                <monitoring-services>...</monitoring-services>
                <framing>framing-choice</framing>
                <synchronization>...</synchronization>
                <vtmapping>vtmapping-choice</vtmapping>
                <no-concatenate/>
                <aggregate-ports/>
                <sparse-dlcis/>
                <q-pic-large-buffer>...</q-pic-large-buffer>
                <red-buffer-occupancy>...</red-buffer-occupancy>
                <traffic-manager>...</traffic-manager>
                <idle-cell-format>...</idle-cell-format>
                <atm-l2circuit-mode>...</atm-l2circuit-mode>
                <atm-cell-relay-accumulation/>
                <mlfr-uni-nni-bundles>mlfr-uni-nni-bundles</mlfr-uni-nni-bundles>
                <ct3>...</ct3>
                <ce1>...</ce1>
                <max-queues-per-interface>max-queues-per-interface-choice
                    </max-queues-per-interface>
                <shdsl>...</shdsl>
                <ethernet>...</ethernet>
                <tunnel-queuing/>
                <port-mirror-instance>port-mirror-instance</port-mirror-instance>
                <port>...</port>
            </pic>
        </fpc>
    </chassis>
</configuration>

```

<b>Description</b>	Physical Interface Card number.
--------------------	---------------------------------

**Contents** <adaptive-services>—Adaptive services configuration.

**<aggregate-ports>**—Aggregate multiple ports on a PIC as a single port.

**<atm-cell-relay-accumulation>**—Enable ATM cell-relay accumulation mode.

**<atm-l2circuit-mode>**—Enable ATM Layer 2 circuit transport mode.

<ce1>—CE1 NxDS0 PIC configuration.

<ct3>—CT3 NxDS0 PIC configuration.

<ethernet>—J-series Ethernet PIM mode configuration.

`<framing>`—Framing mode.

- e1—E1 mode.
- e3—E3 mode.
- sdh—SDH mode.
- sonet—SONET mode.
- t1—T1 mode.
- t3—T3 mode.

<idle-cell-format>—ATM idle cell configuration.

<max-queues-per-interface>—Maximum number of queues per interface on QOS-capable PIC.

- 4—Maximum 4 queues per interface.
- 8—Maximum 8 queues per interface.

<mlfr-uni-nni-bundles>—Number of multilink Frame Relay UNI NNI (FRF.16) bundles to allocate on PIC.

<monitoring-services>—Monitoring services configuration.

<name>—PIC slot number.

<no-concatenate>—Do not concatenate channels.

<port>—Port number.

<port-mirror-instance>—Associate a port mirroring instance with the PIC.

<q-pic-large-buffer>—Run in large delay buffer mode.

<red-buffer-occupancy>—Computation type for RED buffer occupancy.

<shdsl>—SHDSL chassis configuration.

<sparse-dlcis>—Run in sparse data-link connection identifier mode.

<synchronization>—PIC synchronization source.

<traffic-manager>—Configure traffic manager attributes.

<tunnel-queueing>—Enable queueing for GRE/IPIP tunnels.

<tunnel-services>—Tunnel services configuration.

<vtmapping>—Virtual tunnel mapping mode.

- itu-t—ITU-T mode.
- klm—KLM mode.

**<pic> (configuration/chassis/lcc/fpc)**

**Usage** <configuration>  
           <chassis>  
           <lcc>  
           <fpc>  
             **<pic>**  
               <name>*name*</name>   <!-- identifier -->  
               <tunnel-services>...</tunnel-services>  
               <adaptive-services>...</adaptive-services>  
               <monitoring-services>...</monitoring-services>  
               <framing>*framing-choice*</framing>  
               <synchronization>...</synchronization>  
               <vtmapping>*vtmapping-choice*</vtmapping>  
               <no-concatenate/>  
               <aggregate-ports/>  
               <sparse-dlcis/>  
               <q-pic-large-buffer>...</q-pic-large-buffer>  
               <red-buffer-occupancy>...</red-buffer-occupancy>  
               <traffic-manager>...</traffic-manager>  
               <idle-cell-format>...</idle-cell-format>  
               <atm-l2circuit-mode>...</atm-l2circuit-mode>  
               <atm-cell-relay-accumulation/>  
               <mlfr-uni-nni-bundles>*mlfr-uni-nni-bundles*</mlfr-uni-nni-bundles>  
               <ct3>...</ct3>  
               <ce1>...</ce1>  
               <max-queues-per-interface>*max-queues-per-interface-choice*  
                   </max-queues-per-interface>  
               <shdsl>...</shdsl>  
               <ethernet>...</ethernet>  
               <tunnel-queuing/>  
               <port-mirror-instance>*port-mirror-instance*</port-mirror-instance>  
               <port>...</port>  
             **</pic>**  
           </fpc>  
         </lcc>  
       </chassis>  
     </configuration>

**Description** Physical Interface Card number.

**Contents** <adaptive-services>—Adaptive services configuration.

<aggregate-ports>—Aggregate multiple ports on a PIC as a single port.

<atm-cell-relay-accumulation>—Enable ATM cell-relay accumulation mode.

<atm-l2circuit-mode>—Enable ATM Layer 2 circuit transport mode.

<ce1>—CE1 NxDS0 PIC configuration.

<ct3>—CT3 NxDS0 PIC configuration.

<ethernet>—J-series Ethernet PIM mode configuration.

<framing>—Framing mode.

- e1—E1 mode.
- e3—E3 mode.
- sdh—SDH mode.
- sonet—SONET mode.
- t1—T1 mode.
- t3—T3 mode.

<idle-cell-format>—ATM idle cell configuration.

<max-queues-per-interface>—Maximum number of queues per interface on QOS-capable PIC.

- 4—Maximum 4 queues per interface.
- 8—Maximum 8 queues per interface.

<mlfr-uni-nni-bundles>—Number of multilink Frame Relay UNI NNI (FRF.16) bundles to allocate on PIC.

<monitoring-services>—Monitoring services configuration.

<name>—PIC slot number.

<no-concatenate>—Do not concatenate channels.

<port>—Port number.

<port-mirror-instance>—Associate a port mirroring instance with the PIC.

<q-pic-large-buffer>—Run in large delay buffer mode.

<red-buffer-occupancy>—Computation type for RED buffer occupancy.

<shdsl>—SHDSL chassis configuration.

<sparse-dlcis>—Run in sparse data-link connection identifier mode.

<synchronization>—PIC synchronization source.

<traffic-manager>—Configure traffic manager attributes.

<tunnel-queuing>—Enable queueing for GRE/IPIP tunnels.

<tunnel-services>—Tunnel services configuration.

<vtmapping>—Virtual tunnel mapping mode.

- itu-t—ITU-T mode.
- klm—KLM mode.

### **<pic-allocation> (configuration/services/ggsn)**

---

- Usage** <configuration>  
     <services>  
         <ggsn>  
             **<pic-allocation>**  
                 <dynamic-pics>...</dynamic-pics>  
                 <static-pics>...</static-pics>  
             **</pic-allocation>**  
         </ggsn>  
     </services>  
 </configuration>
- Description** PIC allocation.
- Contents** <dynamic-pics>—PICs with dynamic role capabilities.  
             <static-pics>—PICs with static roles.

### **<pic-console-authentication> (configuration/system)**

---

- Usage** <configuration>  
     <system>  
         **<pic-console-authentication>**  
             <plain-text-password-value>*plain-text-password-value*  
                 </plain-text-password-value>  
             <encrypted-password>*encrypted-password*</encrypted-password>  
         **</pic-console-authentication>**  
     </system>  
 </configuration>
- Description** Authentication for the console port on PICs.
- Contents** <encrypted-password>—Encrypted password string.  
             <plain-text-password-value>—Plain text password.

## **<pic-memory-threshold> (configuration/services/dynamic-flow-capture/capture-group)**

---

**Usage**   <configuration>  
          <services>  
          <dynamic-flow-capture>  
          <capture-group>  
            **<pic-memory-threshold>**  
              <percentage>*percent*</percentage>  
            **</pic-memory-threshold>**  
          </capture-group>  
          </dynamic-flow-capture>  
          </services>  
          </configuration>

**Description**   PIC memory threshold.

**Contents**    <percentage>—Threshold in percentage.



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

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           **<pim>**  
             <disable/>  
             <traceoptions>...</traceoptions>  
             <dense-groups>...</dense-groups>  
             <vpn-group-address>vpn-group-address</vpn-group-address>  
             <rib-group>...</rib-group>  
             <import>...</import>  
             <assert-timeout>assert-timeout</assert-timeout>  
             <join-prune-timeout>join-prune-timeout</join-prune-timeout>  
             <spt-threshold>...</spt-threshold>  
             <rp>...</rp>  
             <interface>...</interface>  
             <mdt>...</mdt>  
             <graceful-restart>...</graceful-restart>  
             <join-load-balance>join-load-balance</join-load-balance>  
             <dr-election-on-p2p/>  
           **</pim>**  
           </protocols>  
         </logical-systems>  
       </configuration>

**Description** PIM configuration.

**Contents** <assert-timeout>—Set assert timeout.

<dense-groups>—Dense mode groups for sparse-dense mode.

<disable>—Disable PIM.

<dr-election-on-p2p>—Enable DR election on Point-to-Point Interfaces.

<graceful-restart>—Configure graceful restart attributes.

<import>—PIM sparse import join policy.

<interface>—PIM interface options.

<join-load-balance>—Configure PIM join load balancing.

<join-prune-timeout>—Set join/prune timeout.

<mdt>—Configure multicast data tunnel parameters.

<rib-group>—Routing table group.

<rp>—Router's rendezvous point properties.

<spt-threshold>—Set shortest-path-tree threshold policy.

<traceoptions>—Trace options for PIM.

<vpn-group-address>—Group address for the VPN in provider space.

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

---

**Usage** <configuration>  
 <logical-systems>  
 <routing-instances>  
 <instance>  
 <protocols>  
 <pim>  
 <disable/>  
 <traceoptions>...</traceoptions>  
 <dense-groups>...</dense-groups>  
 <vpn-group-address>vpn-group-address</vpn-group-address>  
 <rib-group>...</rib-group>  
 <import>...</import>  
 <assert-timeout>assert-timeout</assert-timeout>  
 <join-prune-timeout>join-prune-timeout</join-prune-timeout>  
 <spt-threshold>...</spt-threshold>  
 <rp>...</rp>  
 <interface>...</interface>  
 <mdt>...</mdt>  
 <graceful-restart>...</graceful-restart>  
 <join-load-balance>join-load-balance</join-load-balance>  
 <dr-election-on-p2p/>  
 </pim>  
 </protocols>  
 </instance>  
 </routing-instances>  
 </logical-systems>  
 </configuration>

**Description** PIM configuration.

**Contents** <assert-timeout>—Set assert timeout.

<dense-groups>—Dense mode groups for sparse-dense mode.

<disable>—Disable PIM.

<dr-election-on-p2p>—Enable DR election on Point-to-Point Interfaces.

<graceful-restart>—Configure graceful restart attributes.

<import>—PIM sparse import join policy.

<interface>—PIM interface options.

<join-load-balance>—Configure PIM join load balancing.

<join-prune-timeout>—Set join/prune timeout.

<mdt>—Configure multicast data tunnel parameters.

<rib-group>—Routing table group.

<rp>—Router's rendezvous point properties.

<spt-threshold>—Set shortest-path-tree threshold policy.

<traceoptions>—Trace options for PIM.

<vpn-group-address>—Group address for the VPN in provider space.

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

---

**Usage** <configuration>  
           <protocols>  
             **<pim>**  
               <disable/>  
               <traceoptions>...</traceoptions>  
               <dense-groups>...</dense-groups>  
               <vpn-group-address>vpn-group-address</vpn-group-address>  
               <rib-group>...</rib-group>  
               <import>...</import>  
               <assert-timeout>assert-timeout</assert-timeout>  
               <join-prune-timeout>join-prune-timeout</join-prune-timeout>  
               <spt-threshold>...</spt-threshold>  
               <rp>...</rp>  
               <interface>...</interface>  
               <mdt>...</mdt>  
               <graceful-restart>...</graceful-restart>  
               <join-load-balance>join-load-balance</join-load-balance>  
               <dr-election-on-p2p/>  
             **</pim>**  
           </protocols>  
         </configuration>

**Description** PIM configuration.

**Contents** <assert-timeout>—Set assert timeout.

<dense-groups>—Dense mode groups for sparse-dense mode.

<disable>—Disable PIM.

<dr-election-on-p2p>—Enable DR election on Point-to-Point Interfaces.

<graceful-restart>—Configure graceful restart attributes.

<import>—PIM sparse import join policy.

<interface>—PIM interface options.

<join-load-balance>—Configure PIM join load balancing.

<join-prune-timeout>—Set join/prune timeout.

<mdt>—Configure multicast data tunnel parameters.

<rib-group>—Routing table group.

<rp>—Router's rendezvous point properties.

<spt-threshold>—Set shortest-path-tree threshold policy.

<traceoptions>—Trace options for PIM.

<vpn-group-address>—Group address for the VPN in provider space.

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

**Usage** <configuration>  
 <routing-instances>  
 <instance>  
 <protocols>  
 <pim>  
 <disable/>  
 <traceoptions>...</traceoptions>  
 <dense-groups>...</dense-groups>  
 <vpn-group-address>vpn-group-address</vpn-group-address>  
 <rib-group>...</rib-group>  
 <import>...</import>  
 <assert-timeout>assert-timeout</assert-timeout>  
 <join-prune-timeout>join-prune-timeout</join-prune-timeout>  
 <spt-threshold>...</spt-threshold>  
 <rp>...</rp>  
 <interface>...</interface>  
 <mdt>...</mdt>  
 <graceful-restart>...</graceful-restart>  
 <join-load-balance>join-load-balance</join-load-balance>  
 <dr-election-on-p2p/>  
 </pim>  
 </protocols>  
 </instance>  
 </routing-instances>  
 </configuration>

**Description** PIM configuration.

**Contents** <assert-timeout>—Set assert timeout.

<dense-groups>—Dense mode groups for sparse-dense mode.

<disable>—Disable PIM.

<dr-election-on-p2p>—Enable DR election on Point-to-Point Interfaces.

<graceful-restart>—Configure graceful restart attributes.

<import>—PIM sparse import join policy.

<interface>—PIM interface options.

<join-load-balance>—Configure PIM join load balancing.

<join-prune-timeout>—Set join/prune timeout.

<mdt>—Configure multicast data tunnel parameters.

<rib-group>—Routing table group.

<rp>—Router's rendezvous point properties.

<spt-threshold>—Set shortest-path-tree threshold policy.

<traceoptions>—Trace options for PIM.

<vpn-group-address>—Group address for the VPN in provider space.

**<pim-asm> (configuration/logical-systems/routing-instances/instance/provider-tunnel)**

---

**Usage** <configuration>  
    <logical-systems>  
        <routing-instances>  
            <instance>  
                <provider-tunnel>  
                    **<pim-asm>**  
                        <group-address>*group-address*</group-address>  
                    **</pim-asm>**  
                </provider-tunnel>  
            </instance>  
        </routing-instances>  
    </logical-systems>  
</configuration>

**Description** PIM-SM provider tunnel.

**Contents** <group-address>—PIM-SM provider tunnel group address.

**<pim-asm> (configuration/routing-instances/instance/provider-tunnel)**

---

**Usage** <configuration>  
    <routing-instances>  
        <instance>  
            <provider-tunnel>  
                **<pim-asm>**  
                    <group-address>*group-address*</group-address>  
                **</pim-asm>**  
            </provider-tunnel>  
        </instance>  
    </routing-instances>  
</configuration>

**Description** PIM-SM provider tunnel.

**Contents** <group-address>—PIM-SM provider tunnel group address.

**<pki> (configuration/security)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;security&gt;     &lt;pki&gt;       &lt;ca-profile&gt;...&lt;/ca-profile&gt;       &lt;auto-re-enrollment&gt;...&lt;/auto-re-enrollment&gt;       &lt;traceoptions&gt;...&lt;/traceoptions&gt;     &lt;/pki&gt;   &lt;/security&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Public key infrastructure configuration.
<b>Contents</b>	<p>&lt;auto-re-enrollment&gt;—Auto re-enroll of certificate.</p> <p>&lt;ca-profile&gt;—Certificate authority profile configuration.</p> <p>&lt;traceoptions&gt;—PKI trace options.</p>

**<pll> (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;pll&gt;               &lt;ignore/&gt;               &lt;hold-time&gt;...&lt;/hold-time&gt;             &lt;/pll&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>	PLL 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>



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

---

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

**Description** PLL defect trigger.

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

**<plm-p> (configuration/dynamic-profiles/interfaces/interface/sonet-options/trigger)**

---

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

**Description** PLM-P defect trigger.

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

## **<plm-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;plm-p&gt;             &lt;ignore/&gt;             &lt;hold-time&gt;...&lt;/hold-time&gt;           &lt;/plm-p&gt;         &lt;/trigger&gt;       &lt;/sonet-options&gt;     &lt;/interface&gt;   &lt;/interfaces&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	PLM-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>

## **<plmn> (configuration/services/ggsn)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;plmn&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;plmn-id&gt;...&lt;/plmn-id&gt;       &lt;/plmn&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	PLMN network data.
<b>Contents</b>	<p>&lt;name&gt;—Name of PLMN.</p> <p>&lt;plmn-id&gt;—PLMN ID associated with this PLMN.</p>

**<plmn> (configuration/services/ggsn/apn/pdp-context/  
session-control/idle-timeout/sgsn-plmn-id)**

---

**Usage**   <configuration>  
          <services>  
          <ggsn>  
          <apn>  
          <pdp-context>  
          <session-control>  
          <idle-timeout>  
          <sgsn-plmn-id>  
          **<plmn>**  
            <name>name</name>   <!-- identifier -->  
            <plmn-id>...</plmn-id>  
          **</plmn>**  
          </sgsn-plmn-id>  
          </idle-timeout>  
          </session-control>  
          </pdp-context>  
          </apn>  
          </ggsn>  
          </services>  
          </configuration>

**Description**   Timeout settings based on SGSN PLMN.

**Contents**   <name>—Public Land Mobile Network name.  
  
              <plmn-id>—PLMN ID of the SGSN.

## **<plmn> (configuration/services/ggsn/apn/pdp-context/session-control/session-timeout/sgsn-plmn-id)**

---

**Usage**

```

<configuration>
  <services>
    <ggsn>
      <apn>
        <pdp-context>
          <session-control>
            <session-timeout>
              <sgsn-plmn-id>
                <plmn>
                  <name>name</name>    <!-- identifier -->
                  <plmn-id>...</plmn-id>
                </plmn>
              </sgsn-plmn-id>
            </session-timeout>
          </session-control>
        </pdp-context>
      </apn>
    </ggsn>
  </services>
</configuration>

```

**Description** Timeout settings based on SGSN PLMN.

**Contents** <name>—Public Land Mobile Network name.  
 <plmn-id>—PLMN ID of the SGSN.

**<plmn> (configuration/services/ggsn/apn/roaming/roaming-class)**

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               <apn>  
                 <roaming>  
                   <roaming-class>  
                     **<plmn>**  
                       <name>*name*</name>   <!-- identifier -->  
                       <plmn-id>...</plmn-id>   <!-- mandatory -->  
                     **</plmn>**  
                   </roaming-class>  
                 </roaming>  
               </apn>  
             </ggsn>  
           </services>  
         </configuration>

**Description** Public Land Mobile Network name.

**Contents** <name>—Public Land Mobile Network name.

<plmn-id>—Public Land Mobile Network identifier.

**<plmn> (configuration/services/ggsn/pdp-context/session-control/idle-timeout/sgsn-plmn-id)**

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               <pdp-context>  
                 <session-control>  
                   <idle-timeout>  
                     <sgsn-plmn-id>  
                       **<plmn>**  
                       <name>*name*</name>   <!-- identifier -->  
                       <plmn-id>...</plmn-id>  
                     **</plmn>**  
                   </sgsn-plmn-id>  
                 </idle-timeout>  
               </session-control>  
             </pdp-context>  
           </ggsn>  
         </services>  
       </configuration>

**Description** Timeout settings based on SGSN PLMN.

**Contents** <name>—Public Land Mobile Network name.

<plmn-id>—PLMN ID of the SGSN.

## **<plmn> (configuration/services/ggsn/pdp-context/session-control/session-timeout/sgsn-plmn-id)**

---

**Usage**

```

<configuration>
  <services>
    <ggsn>
      <pdp-context>
        <session-control>
          <session-timeout>
            <sgsn-plmn-id>
              <plmn>
                <name>name</name>    <!-- identifier -->
                <plmn-id>...</plmn-id>
              </plmn>
            </sgsn-plmn-id>
          </session-timeout>
        </session-control>
      </pdp-context>
    </ggsn>
  </services>
</configuration>

```

**Description** Timeout settings based on SGSN PLMN.

**Contents** <name>—Public Land Mobile Network name.

<plmn-id>—PLMN ID of the SGSN.

## **<plmn-id> (configuration/services/ggsn/apn/pdp-context/session-control/idle-timeout/sgsn-plmn-id/plmn)**

---

**Usage**

```

<configuration>
  <services>
    <ggsn>
      <apn>
        <pdp-context>
          <session-control>
            <idle-timeout>
              <sgsn-plmn-id>
                <plmn>
                  <plmn-id>
                    <name>name</name>    <!-- identifier -->
                    <timeout>minutes</timeout>    <!-- mandatory -->
                    <measurement-type>measurement-type-choice
                      </measurement-type>
                  </plmn-id>
                </plmn>
              </sgsn-plmn-id>
            </idle-timeout>
          </session-control>
        </pdp-context>
      </apn>
    </ggsn>
  </services>
</configuration>

```

**Description** PLMN ID of the SGSN.

**Contents** <measurement-type>—Point of reference for time measurement.

- since-creation—Relative to the PDP context creation time.
- since-update—Relative to the last PDP context update time.

<name>—SGSN Public Land Mobile Network identifier.

<timeout>—Maximum continuous idle time for a context.

## **<plmn-id> (configuration/services/ggsn/apn/pdp-context/session-control/session-timeout/sgsn-plmn-id/plmn)**

---

**Usage**

```

<configuration>
  <services>
    <ggsn>
      <apn>
        <pdp-context>
          <session-control>
            <session-timeout>
              <sgsn-plmn-id>
                <plmn>
                  <plmn-id>
                    <name>name</name>    <!-- identifier -->
                    <timeout>minutes</timeout>    <!-- mandatory -->
                    <measurement-type>measurement-type-choice
                      </measurement-type>
                  </plmn-id>
                </plmn>
              </sgsn-plmn-id>
            </session-timeout>
          </session-control>
        </pdp-context>
      </apn>
    </ggsn>
  </services>
</configuration>

```

**Description** PLMN ID of the SGSN.

**Contents** <measurement-type>—Point of reference for time measurement.

- since-creation—Relative to the PDP context creation time.
- since-update—Relative to the last PDP context update time.

<name>—SGSN Public Land Mobile Network identifier.

<timeout>—Maximum duration for a context.



**<plmn-id> (configuration/services/ggsn/apn/roaming/roaming-class/plmn)**

---

**Usage**   <configuration>  
          <services>  
          <ggsn>  
          <apn>  
          <roaming>  
          <roaming-class>  
          <plmn>  
            **<plmn-id>**  
              <name>*name*</name>   <!-- identifier -->  
              <rat-types>...</rat-types>  
            **</plmn-id>**  
          </plmn>  
          </roaming-class>  
          </roaming>  
          </apn>  
          </ggsn>  
          </services>  
          </configuration>

**Description**   Public Land Mobile Network identifier.

**Contents**   <name>—SGSN Public Land Mobile Network identifier.  
              <rat-types>—Radio access type (RAT) global defaults.

## <plmn-id> (configuration/services/ggsn/pdp-context/session-control/idle-timeout/sgsn-plmn-id/plmn)

---

**Usage**

```

<configuration>
  <services>
    <ggsn>
      <pdp-context>
        <session-control>
          <idle-timeout>
            <sgsn-plmn-id>
              <plmn>
                <plmn-id>
                  <name>name</name>    <!-- identifier -->
                  <timeout>minutes</timeout>  <!-- mandatory -->
                  <measurement-type>measurement-type-choice
                    </measurement-type>
                </plmn-id>
              </plmn>
            </sgsn-plmn-id>
          </idle-timeout>
        </session-control>
      </pdp-context>
    </ggsn>
  </services>
</configuration>

```

**Description** PLMN ID of the SGSN.

**Contents** <measurement-type>—Point of reference for time measurement.

- since-creation—Relative to the PDP context creation time.
- since-update—Relative to the last PDP context update time.

<name>—SGSN Public Land Mobile Network identifier.

<timeout>—Maximum continuous idle time for a context.

## **<plmn-id> (configuration/services/ggsn/pdp-context/session-control/session-timeout/sgsn-plmn-id/plmn)**

---

**Usage**

```

<configuration>
  <services>
    <ggsn>
      <pdp-context>
        <session-control>
          <session-timeout>
            <sgsn-plmn-id>
              <plmn>
                <plmn-id>
                  <name>name</name>    <!-- identifier -->
                  <timeout>minutes</timeout>    <!-- mandatory -->
                  <measurement-type>measurement-type-choice
                    </measurement-type>
                </plmn-id>
              </plmn>
            </sgsn-plmn-id>
          </session-timeout>
        </session-control>
      </pdp-context>
    </ggsn>
  </services>
</configuration>

```

**Description** PLMN ID of the SGSN.

**Contents** <measurement-type>—Point of reference for time measurement.

- since-creation—Relative to the PDP context creation time.
- since-update—Relative to the last PDP context update time.

<name>—SGSN Public Land Mobile Network identifier.

<timeout>—Maximum duration for a context.

## <plmn-id> (configuration/services/ggsn/plmn)

---

**Usage**   <configuration>  
          <services>  
          <ggsn>  
          <plmn>  
            <plmn-id>  
              <name>name</name>   <!-- identifier -->  
              <home-plmn/>  
              <sgsn-address>...</sgsn-address>  
            </plmn-id>  
          </plmn>  
        </ggsn>  
      </services>  
    </configuration>

**Description**   PLMN ID associated with this PLMN.

**Contents**   <home-plmn>—This is home PLMN.  
  
              <name>—SGSN Public Land Mobile Network identifier.  
  
              <sgsn-address>—SGSN address associated with this PLMN ID.

## **<policer> (configuration/dynamic-profiles/interfaces/interface/gigether-options/ethernet-switch-profile/ethernet-policer-profile)**

---

**Usage**

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <gigether-options>
          <ethernet-switch-profile>
            <ethernet-policer-profile>
              <policer>
                <name>name</name>    <!-- identifier -->
                <premium>...</premium>
                <aggregate>...</aggregate>    <!-- mandatory -->
              </policer>
            </ethernet-policer-profile>
          </ethernet-switch-profile>
        </gigether-options>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

**Description** Policer template definition.

**Contents** <aggregate>—Policer to apply to aggregate traffic.

<name>—Policer name.

<premium>—Policer to apply to premium traffic.

**<policer> (configuration/dynamic-profiles/interfaces/interface/unit/accept-source-mac/mac-address)**

---

**Usage**   <configuration>  
          <dynamic-profiles>  
          <interfaces>  
          <interface>  
          <unit>  
          <accept-source-mac>  
          <mac-address>  
          **<policer>**  
          <input>*input*</input>  
          <output>*output*</output>  
          **</policer>**  
          </mac-address>  
          </accept-source-mac>  
          </unit>  
          </interface>  
          </interfaces>  
          </dynamic-profiles>  
          </configuration>

**Description**   MAC policing.

**Contents**   <input>—Name of policer applied to received packets.  
              <output>—Name of policer applied to transmitted packets.

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

---

**Usage**   <configuration>  
               <dynamic-profiles>  
               <interfaces>  
               <interface>  
               <unit>  
               <family>  
               <bridge>  
               **<policer>**  
                   <input>*input*</input>  
                   <output>*output*</output>  
               **</policer>**  
               </bridge>  
               </family>  
               </unit>  
               </interface>  
               </interfaces>  
               </dynamic-profiles>  
               </configuration>

**Description**   Interface policing.

**Contents**   <input>—Name of policer applied to received packets.

              <output>—Name of policer applied to transmitted packets.

**<policer> (configuration/dynamic-profiles/interfaces/interface/unit/family/ccc)**

---

**Usage**   <configuration>  
          <dynamic-profiles>  
          <interfaces>  
          <interface>  
          <unit>  
          <family>  
          <ccc>  
            **<policer>**  
              <input>*input*</input>  
              <output>*output*</output>  
            **</policer>**  
          </ccc>  
          </family>  
          </unit>  
          </interface>  
          </interfaces>  
          </dynamic-profiles>  
          </configuration>

**Description**   Interface policing.

**Contents**   <input>—Name of policer applied to received packets.  
              <output>—Name of policer applied to transmitted packets.



**<policer> (configuration/dynamic-profiles/interfaces/interface/  
unit/family/inet)**

---

**Usage**   <configuration>  
          <dynamic-profiles>  
          <interfaces>  
          <interface>  
          <unit>  
          <family>  
          <inet>  
          **<policer>**  
          <arp>*arp*</arp>  
          <input>*input*</input>  
          <output>*output*</output>  
          **</policer>**  
          </inet>  
          </family>  
          </unit>  
          </interface>  
          </interfaces>  
          </dynamic-profiles>  
          </configuration>

**Description**   Interface policing.

**Contents**   <arp>—Name of policer applied to received ARP packets.  
  
              <input>—Name of policer applied to received packets.  
  
              <output>—Name of policer applied to transmitted packets.

**<policer> (configuration/dynamic-profiles/interfaces/interface/unit/family/inet6)**

---

**Usage**   <configuration>  
          <dynamic-profiles>  
          <interfaces>  
          <interface>  
          <unit>  
          <family>  
          <inet6>  
          **<policer>**  
            <input>*input*</input>  
            <output>*output*</output>  
          **</policer>**  
          </inet6>  
          </family>  
          </unit>  
          </interface>  
          </interfaces>  
          </dynamic-profiles>  
          </configuration>

**Description**   Interface policing.

**Contents**   <input>—Name of policer applied to received packets.  
              <output>—Name of policer applied to transmitted packets.

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

---

**Usage**   <configuration>  
               <dynamic-profiles>  
               <interfaces>  
               <interface>  
               <unit>  
               <family>  
               <mpls>  
               **<policer>**  
                   <input>*input*</input>  
                   <output>*output*</output>  
               **</policer>**  
               </mpls>  
               </family>  
               </unit>  
               </interface>  
               </interfaces>  
               </dynamic-profiles>  
               </configuration>

**Description**   Interface policing.

**Contents**   <input>—Name of policer applied to received packets.

              <output>—Name of policer applied to transmitted packets.

**<policer> (configuration/dynamic-profiles/interfaces/interface/unit/family/tcc)**

---

**Usage**   <configuration>  
          <dynamic-profiles>  
          <interfaces>  
          <interface>  
          <unit>  
          <family>  
          <tcc>  
            **<policer>**  
              <input>*input*</input>  
              <output>*output*</output>  
            **</policer>**  
          </tcc>  
          </family>  
          </unit>  
          </interface>  
          </interfaces>  
          </dynamic-profiles>  
          </configuration>

**Description**   Interface policing.

**Contents**   <input>—Name of policer applied to received packets.

              <output>—Name of policer applied to transmitted packets.

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

---

**Usage**   <configuration>  
               <dynamic-profiles>  
                   <interfaces>  
                     <interface>  
                       <unit>  
                         <family>  
                           <vpls>  
                             **<policer>**  
                               <input>*input*</input>  
                               <output>*output*</output>  
                             **</policer>**  
                           </vpls>  
                         </family>  
                       </unit>  
                     </interface>  
                   </interfaces>  
               </dynamic-profiles>  
             </configuration>

**Description**   Interface policing.

**Contents**   <input>—Name of policer applied to received packets.

              <output>—Name of policer applied to transmitted packets.

## <policer> (configuration/firewall)

---

**Usage**   <configuration>  
          <firewall>  
            <policer>  
              <name>name</name>   <!-- identifier -->  
              <filter-specific/>  
              <logical-interface-policer/>  
              <logical-bandwidth-policer/>  
              <if-exceeding>...</if-exceeding>  
              <then>...</then>  
            </policer>  
          </firewall>  
        </configuration>

**Description**   Policer template definition.

**Contents**   <filter-specific>—Policer is filter-specific.

              <if-exceeding>—Define rate limits.

              <logical-bandwidth-policer>—Policer uses logical interface bandwidth.

              <logical-interface-policer>—Policer is logical interface policer.

              <name>—Policer name.

              <then>—Action to take if the rate limits are exceeded.

## **<policer> (configuration/interfaces/interface/gigether-options/ethernet-switch-profile/ethernet-policer-profile)**

---

**Usage**   <configuration>  
               <interfaces>  
                   <interface>  
                       <gigether-options>  
                           <ethernet-switch-profile>  
                               <ethernet-policer-profile>  
                                   **<policer>**  
                                       <name>*name*</name>   <!-- identifier -->  
                                       <premium>...</premium>  
                                       <aggregate>...</aggregate>   <!-- mandatory -->  
                                   **</policer>**  
                               </ethernet-policer-profile>  
                           </ethernet-switch-profile>  
                       </gigether-options>  
                   </interface>  
               </interfaces>  
           </configuration>

**Description**   Policer template definition.

**Contents**   <aggregate>—Policer to apply to aggregate traffic.

              <name>—Policer name.

              <premium>—Policer to apply to premium traffic.

## **<policer> (configuration/interfaces/interface/unit/accept-source-mac/mac-address)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;interfaces&gt;     &lt;interface&gt;       &lt;unit&gt;         &lt;accept-source-mac&gt;           &lt;mac-address&gt;             &lt;policer&gt;               &lt;input&gt;input&lt;/input&gt;               &lt;output&gt;output&lt;/output&gt;             &lt;/policer&gt;           &lt;/mac-address&gt;         &lt;/accept-source-mac&gt;       &lt;/unit&gt;     &lt;/interface&gt;   &lt;/interfaces&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	MAC policing.
<b>Contents</b>	<p>&lt;input&gt;—Name of policer applied to received packets.</p> <p>&lt;output&gt;—Name of policer applied to transmitted packets.</p>

## **<policer> (configuration/interfaces/interface/unit/family/bridge)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;interfaces&gt;     &lt;interface&gt;       &lt;unit&gt;         &lt;family&gt;           &lt;bridge&gt;             &lt;policer&gt;               &lt;input&gt;input&lt;/input&gt;               &lt;output&gt;output&lt;/output&gt;             &lt;/policer&gt;           &lt;/bridge&gt;         &lt;/family&gt;       &lt;/unit&gt;     &lt;/interface&gt;   &lt;/interfaces&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Interface policing.
<b>Contents</b>	<p>&lt;input&gt;—Name of policer applied to received packets.</p> <p>&lt;output&gt;—Name of policer applied to transmitted packets.</p>



**<policer> (configuration/interfaces/interface/unit/family/ccc)**

---

- Usage** <configuration>  
     <interfaces>  
         <interface>  
             <unit>  
                 <family>  
                     <ccc>  
                         **<policer>**  
                             <input>*input*</input>  
                             <output>*output*</output>  
                         **</policer>**  
                     </ccc>  
                 </family>  
     </unit>  
     </interface>  
     </interfaces>  
 </configuration>
- Description** Interface policing.
- Contents** <input>—Name of policer applied to received packets.  
     <output>—Name of policer applied to transmitted packets.

**<policer> (configuration/interfaces/interface/unit/family/inet)**

---

- Usage** <configuration>  
     <interfaces>  
         <interface>  
             <unit>  
                 <family>  
                     <inet>  
                         **<policer>**  
                             <arp>*arp*</arp>  
                             <input>*input*</input>  
                             <output>*output*</output>  
                         **</policer>**  
                     </inet>  
                 </family>  
     </unit>  
     </interface>  
     </interfaces>  
 </configuration>
- Description** Interface policing.
- Contents** <arp>—Name of policer applied to received ARP packets.  
     <input>—Name of policer applied to received packets.  
     <output>—Name of policer applied to transmitted packets.

**<policer> (configuration/interfaces/interface/unit/family/inet6)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <unit>  
                 <family>  
                   <inet6>  
                     **<policer>**  
                       <input>*input*</input>  
                       <output>*output*</output>  
                     **</policer>**  
                   </inet6>  
                 </family>  
               </unit>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** Interface policing.

**Contents** <input>—Name of policer applied to received packets.

<output>—Name of policer applied to transmitted packets.

**<policer> (configuration/interfaces/interface/unit/family/mps)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <unit>  
                 <family>  
                   <mps>  
                     **<policer>**  
                       <input>*input*</input>  
                       <output>*output*</output>  
                     **</policer>**  
                   </mps>  
                 </family>  
               </unit>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** Interface policing.

**Contents** <input>—Name of policer applied to received packets.

<output>—Name of policer applied to transmitted packets.

**<policer> (configuration/interfaces/interface/unit/family/tcc)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <unit>  
                 <family>  
                   <tcc>  
                     **<policer>**  
                       <input>*input*</input>  
                       <output>*output*</output>  
                     **</policer>**  
                   </tcc>  
                 </family>  
               </unit>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** Interface policing.

**Contents** <input>—Name of policer applied to received packets.

<output>—Name of policer applied to transmitted packets.

**<policer> (configuration/interfaces/interface/unit/family/vpls)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <unit>  
                 <family>  
                   <vpls>  
                     **<policer>**  
                       <input>*input*</input>  
                       <output>*output*</output>  
                     **</policer>**  
                   </vpls>  
                 </family>  
               </unit>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** Interface policing.

**Contents** <input>—Name of policer applied to received packets.

<output>—Name of policer applied to transmitted packets.

**<policer> (configuration/logical-systems/firewall)**

---

**Usage** <configuration>  
           <logical-systems>  
             <firewall>  
               **<policer>**  
                 <name>*name*</name>   <!-- identifier -->  
                 <filter-specific/>  
                 <logical-interface-policer/>  
                 <logical-bandwidth-policer/>  
                 <if-exceeding>...</if-exceeding>  
                 <then>...</then>  
               **</policer>**  
             </firewall>  
           </logical-systems>  
         </configuration>

**Description** Policer template definition.

**Contents** <filter-specific>—Policer is filter-specific.

<if-exceeding>—Define rate limits.

<logical-bandwidth-policer>—Policer uses logical interface bandwidth.

<logical-interface-policer>—Policer is logical interface policer.

<name>—Policer name.

<then>—Action to take if the rate limits are exceeded.

## **<policer> (configuration/logical-systems/interfaces/interface/unit/accept-source-mac/mac-address)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <interfaces>  
               <interface>  
               <unit>  
               <accept-source-mac>  
               <mac-address>  
               **<policer>**  
                   <input>*input*</input>  
                   <output>*output*</output>  
               **</policer>**  
               </mac-address>  
               </accept-source-mac>  
               </unit>  
               </interface>  
               </interfaces>  
               </logical-systems>  
               </configuration>

**Description**   MAC policing.

**Contents**   <input>—Name of policer applied to received packets.

              <output>—Name of policer applied to transmitted packets.

**<policer> (configuration/logical-systems/interfaces/interface/unit/family/bridge)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <interfaces>  
          <interface>  
          <unit>  
          <family>  
          <bridge>  
          **<policer>**  
          <input>*input*</input>  
          <output>*output*</output>  
          **</policer>**  
          </bridge>  
          </family>  
          </unit>  
          </interface>  
          </interfaces>  
          </logical-systems>  
          </configuration>

**Description**   Interface policing.

**Contents**   <input>—Name of policer applied to received packets.  
              <output>—Name of policer applied to transmitted packets.

**<policer> (configuration/logical-systems/interfaces/interface/unit/family/ccc)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <interfaces>  
          <interface>  
          <unit>  
          <family>  
          <ccc>  
          **<policer>**  
          <input>*input*</input>  
          <output>*output*</output>  
          **</policer>**  
          </ccc>  
          </family>  
          </unit>  
          </interface>  
          </interfaces>  
          </logical-systems>  
          </configuration>

**Description**   Interface policing.

**Contents**   <input>—Name of policer applied to received packets.  
              <output>—Name of policer applied to transmitted packets.

**<policer> (configuration/logical-systems/interfaces/interface/unit/family/inet)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <interfaces>  
          <interface>  
          <unit>  
          <family>  
          <inet>  
          **<policer>**  
          <arp>*arp*</arp>  
          <input>*input*</input>  
          <output>*output*</output>  
          **</policer>**  
          </inet>  
          </family>  
          </unit>  
          </interface>  
          </interfaces>  
          </logical-systems>  
          </configuration>

**Description**   Interface policing.

**Contents**   <arp>—Name of policer applied to received ARP packets.  
              <input>—Name of policer applied to received packets.  
              <output>—Name of policer applied to transmitted packets.



## **<policer> (configuration/logical-systems/interfaces/interface/unit/family/inet6)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <interfaces>  
               <interface>  
               <unit>  
               <family>  
               <inet6>  
               **<policer>**  
                   <input>*input*</input>  
                   <output>*output*</output>  
               **</policer>**  
               </inet6>  
               </family>  
               </unit>  
               </interface>  
               </interfaces>  
               </logical-systems>  
               </configuration>

**Description**   Interface policing.

**Contents**   <input>—Name of policer applied to received packets.

              <output>—Name of policer applied to transmitted packets.

**<policer> (configuration/logical-systems/interfaces/interface/unit/family/mpls)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <interfaces>  
          <interface>  
          <unit>  
          <family>  
          <mpls>  
          **<policer>**  
            <input>*input*</input>  
            <output>*output*</output>  
          **</policer>**  
          </mpls>  
          </family>  
          </unit>  
          </interface>  
          </interfaces>  
          </logical-systems>  
          </configuration>

**Description**   Interface policing.

**Contents**   <input>—Name of policer applied to received packets.  
              <output>—Name of policer applied to transmitted packets.

**<policer> (configuration/logical-systems/interfaces/interface/unit/family/tcc)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <interfaces>  
          <interface>  
          <unit>  
          <family>  
          <tcc>  
          **<policer>**  
          <input>*input*</input>  
          <output>*output*</output>  
          **</policer>**  
          </tcc>  
          </family>  
          </unit>  
          </interface>  
          </interfaces>  
          </logical-systems>  
          </configuration>

**Description**   Interface policing.

**Contents**   <input>—Name of policer applied to received packets.  
              <output>—Name of policer applied to transmitted packets.

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

---

**Usage** <configuration>  
           <logical-systems>  
             <interfaces>  
               <interface>  
                 <unit>  
                   <family>  
                     <vpls>  
                       **<policer>**  
                         <input>*input*</input>  
                         <output>*output*</output>  
                       **</policer>**  
                     </vpls>  
                   </family>  
                 </unit>  
               </interface>  
             </interfaces>  
           </logical-systems>  
         </configuration>

**Description** Interface policing.

**Contents** <input>—Name of policer applied to received packets.  
               <output>—Name of policer applied to transmitted packets.

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

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <ldp>  
                 **<policing>**  
                   <fec>...</fec>  
                 **</policing>**  
               </ldp>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** Configure policing for an LDP FEC.

**Contents** <fec>—Forwarding equivalence class.

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;protocols&gt;       &lt;mpls&gt;         &lt;label-switched-path&gt;           &lt;policing&gt;             &lt;filter&gt;filter&lt;/filter&gt;             &lt;no-auto-policing/&gt;           &lt;/policing&gt;         &lt;/label-switched-path&gt;       &lt;/mpls&gt;     &lt;/protocols&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Traffic policing for this LSP.
<b>Contents</b>	<p>&lt;filter&gt;—Name of filter to use for policing LSP traffic.</p> <p>&lt;no-auto-policing&gt;—Turn off automatic policing for this LSP.</p>

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-instances&gt;       &lt;instance&gt;         &lt;protocols&gt;           &lt;ldp&gt;             &lt;policing&gt;               &lt;fec&gt;...&lt;/fec&gt;             &lt;/policing&gt;           &lt;/ldp&gt;         &lt;/protocols&gt;       &lt;/instance&gt;     &lt;/routing-instances&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Configure policing for an LDP FEC.
<b>Contents</b>	<fec>—Forwarding equivalence class.

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;ldp&gt;       &lt;policing&gt;         &lt;fec&gt;...&lt;/fec&gt;       &lt;/policing&gt;     &lt;/ldp&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Configure policing for an LDP FEC.
<b>Contents</b>	<fec>—Forwarding equivalence class.

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;mpls&gt;       &lt;label-switched-path&gt;         &lt;policing&gt;           &lt;filter&gt;<i>filter</i>&lt;/filter&gt;           &lt;no-auto-policing/&gt;         &lt;/policing&gt;       &lt;/label-switched-path&gt;     &lt;/mpls&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Traffic policing for this LSP.
<b>Contents</b>	<p>&lt;filter&gt;—Name of filter to use for policing LSP traffic.</p> <p>&lt;no-auto-policing&gt;—Turn off automatic policing for this LSP.</p>

## **<policing> (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;policing&gt;             &lt;fec&gt;...&lt;/fec&gt;           &lt;/policing&gt;         &lt;/ldp&gt;       &lt;/protocols&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Configure policing for an LDP FEC.
<b>Contents</b>	<fec>—Forwarding equivalence class.

## **<policing> (configuration/services/ggsn/apn/pdp-context)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;apn&gt;         &lt;pdp-context&gt;           &lt;policing&gt;             &lt;maximum-bandwidth-uplink&gt;<i>kilobits per second</i>             &lt;/maximum-bandwidth-uplink&gt;             &lt;maximum-bandwidth-downlink&gt;<i>kilobits per second</i>             &lt;/maximum-bandwidth-downlink&gt;             &lt;no-policing/&gt;           &lt;/policing&gt;         &lt;/pdp-context&gt;       &lt;/apn&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Policing settings.
<b>Contents</b>	<p>&lt;maximum-bandwidth-downlink&gt;—Maximum bandwidth.</p> <p>&lt;maximum-bandwidth-uplink&gt;—Maximum bandwidth uplink.</p> <p>&lt;no-policing&gt;—Turn policing off.</p>

## <policing> (configuration/services/ggsn/pdp-context)

```

Usage
<configuration>
  <services>
    <ggsn>
      <pdp-context>
        <policing>
          <burst-time>milliseconds</burst-time>
          <minimum-burst-value>bytes</minimum-burst-value>
          <maximum-burst-value>kilobytes</maximum-burst-value>
          <maximum-bandwidth-uplink>kilobits per second
            </maximum-bandwidth-uplink>
          <maximum-bandwidth-downlink>kilobits per second
            </maximum-bandwidth-downlink>
          <no-policing/>
        </policing>
      </pdp-context>
    </ggsn>
  </services>
</configuration>

```

<b>Description</b>	Policing settings.
--------------------	--------------------

**Contents**

- <burst-time>—Burst time window.
- <maximum-bandwidth-downlink>—Maximum bandwidth.
- <maximum-bandwidth-uplink>—Maximum bandwidth uplink.
- <maximum-burst-value>—Maximum burst value.
- <minimum-burst-value>—Minimum burst value.
- <no-policing>—Turn policing off.



**<policy> (configuration/event-options)**

---

**Usage** <configuration>  
           <event-options>  
             **<policy>**  
               <name>*name*</name>   <!-- identifier -->  
               <events>...</events>   <!-- mandatory -->  
               <within>...</within>  
               <attributes-match>...</attributes-match>  
               <then>...</then>   <!-- mandatory -->  
             **</policy>**  
           </event-options>  
         </configuration>

**Description** Event policy for event policy manager.

**Contents** <attributes-match>—List of attributes to compare for two events.

<events>—List of events that trigger this policy.

<name>—Name of policy.

<then>—List of actions to perform when policy matches.

<within>—List of events correlated with triggering events.

**<policy> (configuration/logical-systems/policy-options/policy-statement/from)**

---

**Usage** <configuration>  
           <logical-systems>  
             <policy-options>  
               <policy-statement>  
                 <from>  
                   **<policy>**  
                     <name>*name*</name>   <!-- identifier -->  
                   **</policy>**  
                 </from>  
               </policy-statement>  
             </policy-options>  
           </logical-systems>  
         </configuration>

**Description** Name of policy to evaluate.

**Contents** <name>—Name of policy to evaluate.

## **<policy> (configuration/logical-systems/policy-options/policy-statement/term/from)**

---

**Usage** <configuration>  
 <logical-systems>  
 <policy-options>  
 <policy-statement>  
 <term>  
 <from>  
**<policy>**  
 <name>name</name> <!-- identifier -->  
**</policy>**  
 </from>  
 </term>  
 </policy-statement>  
 </policy-options>  
 </logical-systems>  
 </configuration>

**Description** Name of policy to evaluate.

**Contents** <name>—Name of policy to evaluate.

## **<policy> (configuration/logical-systems/policy-options/policy-statement/term/to)**

---

**Usage** <configuration>  
 <logical-systems>  
 <policy-options>  
 <policy-statement>  
 <term>  
 <to>  
**<policy>**  
 <name>name</name> <!-- identifier -->  
**</policy>**  
 </to>  
 </term>  
 </policy-statement>  
 </policy-options>  
 </logical-systems>  
 </configuration>

**Description** Name of policy to evaluate.

**Contents** <name>—Name of policy to evaluate.

## **<policy> (configuration/logical-systems/policy-options/policy-statement/to)**

---

**Usage** <configuration>  
     <logical-systems>  
         <policy-options>  
             <policy-statement>  
                 <to>  
                     **<policy>**  
                         <name>*name*</name>   <!-- identifier -->  
                     **</policy>**  
                 </to>  
             </policy-statement>  
         </policy-options>  
     </logical-systems>  
</configuration>

**Description** Name of policy to evaluate.

**Contents** <name>—Name of policy to evaluate.

## **<policy> (configuration/logical-systems/protocols/bgp/group/neighbor/traceoptions/flag/filter)**

---

**Usage** <configuration>  
     <logical-systems>  
         <protocols>  
             <bgp>  
                 <group>  
                     <neighbor>  
                         <traceoptions>  
                             <flag>  
                                 <filter>  
                                     **<policy>**  
   <name>*name*</name>   <!-- identifier -->  
                                     **</policy>**  
                                 </filter>  
                             </flag>  
                         </traceoptions>  
                     </neighbor>  
                 </group>  
             </bgp>  
         </protocols>  
     </logical-systems>  
</configuration>

**Description** Filter policy.

**Contents** <name>—Filter policy.

## **<policy> (configuration/logical-systems/protocols/bgp/group/traceoptions/flag/filter)**

---

**Usage** <configuration>  
     <logical-systems>  
         <protocols>  
             <bgp>  
                 <group>  
                     <traceoptions>  
                         <flag>  
                             <filter>  
                                 **<policy>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</policy>**  
                             </filter>  
                         </flag>  
                     </traceoptions>  
                 </group>  
             </bgp>  
         </protocols>  
     </logical-systems>  
 </configuration>

**Description** Filter policy.

**Contents** <name>—Filter policy.

## **<policy> (configuration/logical-systems/protocols/bgp/traceoptions/flag/filter)**

---

**Usage** <configuration>  
     <logical-systems>  
         <protocols>  
             <bgp>  
                 <traceoptions>  
                     <flag>  
                         <filter>  
                             **<policy>**  
                                 <name>name</name>   <!-- identifier -->  
                             **</policy>**  
                         </filter>  
                     </flag>  
                 </traceoptions>  
             </bgp>  
         </protocols>  
     </logical-systems>  
 </configuration>

**Description** Filter policy.

**Contents** <name>—Filter policy.

**<policy> (configuration/logical-systems/protocols/ldp/next-hop/merged)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;protocols&gt;       &lt;ldp&gt;         &lt;next-hop&gt;           &lt;merged&gt;             <b>&lt;policy&gt;</b>               &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;             <b>&lt;/policy&gt;</b>           &lt;/merged&gt;         &lt;/next-hop&gt;       &lt;/ldp&gt;     &lt;/protocols&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Merged next-hop policy.
<b>Contents</b>	<name>—Merged next-hop policy.

**<policy> (configuration/logical-systems/protocols/ldp/traceoptions/flag/filter)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;protocols&gt;       &lt;ldp&gt;         &lt;traceoptions&gt;           &lt;flag&gt;             &lt;filter&gt;               <b>&lt;policy&gt;</b>                 &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;               <b>&lt;/policy&gt;</b>             &lt;/filter&gt;           &lt;/flag&gt;         &lt;/traceoptions&gt;       &lt;/ldp&gt;     &lt;/protocols&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Filter policy.
<b>Contents</b>	<name>—Filter policy.

## **<policy> (configuration/logical-systems/protocols/pim/traceoptions/flag/filter)**

---

**Usage** `<configuration>  
     <logical-systems>  
         <protocols>  
             <pim>  
                 <traceoptions>  
                     <flag>  
                         <filter>  
                             <policy>  
                                 <name>name</name>   <!-- identifier -->  
                             </policy>  
                         </filter>  
                     </flag>  
                 </traceoptions>  
             </pim>  
         </protocols>  
     </logical-systems>  
</configuration>`

**Description** Filter policy.

**Contents** <name>—Filter policy.

## **<policy> (configuration/logical-systems/protocols/rip/traceoptions/flag/filter)**

---

**Usage** `<configuration>  
     <logical-systems>  
         <protocols>  
             <rip>  
                 <traceoptions>  
                     <flag>  
                         <filter>  
                             <policy>  
                                 <name>name</name>   <!-- identifier -->  
                             </policy>  
                         </filter>  
                     </flag>  
                 </traceoptions>  
             </rip>  
         </protocols>  
     </logical-systems>  
</configuration>`

**Description** Filter policy.

**Contents** <name>—Filter policy.

**<policy> (configuration/logical-systems/routing-instances/  
instance/protocols/bgp/group/neighbor/traceoptions/flag/filter)**

---

```
Usage  <configuration>
      <logical-systems>
      <routing-instances>
      <instance>
      <protocols>
      <bgp>
      <group>
      <neighbor>
      <traceoptions>
      <flag>
      <filter>
      <policy>
      <name>name</name>    <!-- identifier -->
      </policy>
      </filter>
      </flag>
      </traceoptions>
      </neighbor>
      </group>
      </bgp>
      </protocols>
      </instance>
      </routing-instances>
      </logical-systems>
      </configuration>
```

**Description**    Filter policy.

**Contents**       <name>—Filter policy.

**<policy> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/traceoptions/flag/filter)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <bgp>  
          <group>  
          <traceoptions>  
          <flag>  
          <filter>  
            **<policy>**  
              <name>name</name>   <!-- identifier -->  
            **</policy>**  
          </filter>  
          </flag>  
          </traceoptions>  
          </group>  
          </bgp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Filter policy.

**Contents**    <name>—Filter policy.



## **<policy> (configuration/logical-systems/routing-instances/instance/protocols/bgp/traceoptions/flag/filter)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <traceoptions>  
           <flag>  
           <filter>  
             **<policy>**  
               <name>name</name>   <!-- identifier -->  
             **</policy>**  
           </filter>  
           </flag>  
           </traceoptions>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Filter policy.

**Contents**    <name>—Filter policy.

**<policy> (configuration/logical-systems/routing-instances/  
instance/protocols/ldp/next-hop/merged)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <ldp>  
          <next-hop>  
          <merged>  
          **<policy>**  
            <name>name</name>   <!-- identifier -->  
          **</policy>**  
          </merged>  
          </next-hop>  
          </ldp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Merged next-hop policy.

**Contents**    <name>—Merged next-hop policy.

## **<policy> (configuration/logical-systems/routing-instances/instance/protocols/ldp/traceoptions/flag/filter)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <ldp>  
           <traceoptions>  
           <flag>  
           <filter>  
             **<policy>**  
               <name>*name*</name>   <!-- identifier -->  
             **</policy>**  
           </filter>  
           </flag>  
           </traceoptions>  
           </ldp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Filter policy.

**Contents**    <name>—Filter policy.

**<policy> (configuration/logical-systems/routing-instances/instance/protocols/pim/traceoptions/flag/filter)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <pim>  
          <traceoptions>  
          <flag>  
          <filter>  
            **<policy>**  
              <name>name</name>   <!-- identifier -->  
            **</policy>**  
          </filter>  
          </flag>  
          </traceoptions>  
          </pim>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Filter policy.

**Contents**    <name>—Filter policy.

## **<policy> (configuration/logical-systems/routing-instances/instance/protocols/rip/traceoptions/flag/filter)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <protocols>  
                     <rip>  
                         <traceoptions>  
                             <flag>  
                                 <filter>  
                                     **<policy>**  
   <name>name</name>   <!-- identifier -->  
                                     **</policy>**  
                                 </filter>  
                             </flag>  
                         </traceoptions>  
             </rip>  
         </protocols>  
     </instance>  
   </routing-instances>  
</logical-systems>  
</configuration>

**Description** Filter policy.

**Contents** <name>—Filter policy.

## **<policy> (configuration/logical-systems/routing-instances/instance/routing-options/aggregate/route)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <routing-options>  
                     <aggregate>  
                         <route>  
                             **<policy>**  
                                 <name>name</name>   <!-- identifier -->  
                             **</policy>**  
                         </route>  
             </aggregate>  
         </routing-options>  
     </instance>  
   </routing-instances>  
</logical-systems>  
</configuration>

**Description** Policy filter.

**Contents** <name>—Policy filter.

## **<policy> (configuration/logical-systems/routing-instances/instance/routing-options/flow/validation/traceoptions/flag/filter)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <flow>  
          <validation>  
          <traceoptions>  
          <flag>  
          <filter>  
            **<policy>**  
              <name>name</name>   <!-- identifier -->  
            **</policy>**  
          </filter>  
          </flag>  
          </traceoptions>  
          </validation>  
          </flow>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Filter policy.

**Contents**    <name>—Filter policy.

## **<policy> (configuration/logical-systems/routing-instances/instance/routing-options/generate/route)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-instances&gt;       &lt;instance&gt;         &lt;routing-options&gt;           &lt;generate&gt;             &lt;route&gt;               &lt;policy&gt;                 &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;               &lt;/policy&gt;             &lt;/route&gt;           &lt;/generate&gt;         &lt;/routing-options&gt;       &lt;/instance&gt;     &lt;/routing-instances&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Policy filter.
<b>Contents</b>	<name>—Policy filter.

## **<policy> (configuration/logical-systems/routing-instances/instance/routing-options/multicast/flow-map)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-instances&gt;       &lt;instance&gt;         &lt;routing-options&gt;           &lt;multicast&gt;             &lt;flow-map&gt;               &lt;policy&gt;                 &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;               &lt;/policy&gt;             &lt;/flow-map&gt;           &lt;/multicast&gt;         &lt;/routing-options&gt;       &lt;/instance&gt;     &lt;/routing-instances&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Policy for matched flows.
<b>Contents</b>	<name>—Policy for matched flows.

## **<policy> (configuration/logical-systems/routing-instances/instance/routing-options/multicast/ssm-map)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-instances&gt;       &lt;instance&gt;         &lt;routing-options&gt;           &lt;multicast&gt;             &lt;ssm-map&gt;               &lt;policy&gt;                 &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;               &lt;/policy&gt;             &lt;/ssm-map&gt;           &lt;/multicast&gt;         &lt;/routing-options&gt;       &lt;/instance&gt;     &lt;/routing-instances&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Policy for matching group.
<b>Contents</b>	<name>—Policy for matching group.

## **<policy> (configuration/logical-systems/routing-instances/instance/routing-options/rib/aggregate/route)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-instances&gt;       &lt;instance&gt;         &lt;routing-options&gt;           &lt;rib&gt;             &lt;aggregate&gt;               &lt;route&gt;                 &lt;policy&gt;                   &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;                 &lt;/policy&gt;               &lt;/route&gt;             &lt;/aggregate&gt;           &lt;/rib&gt;         &lt;/routing-options&gt;       &lt;/instance&gt;     &lt;/routing-instances&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Policy filter.
<b>Contents</b>	<name>—Policy filter.



## **<policy> (configuration/logical-systems/routing-instances/instance/routing-options/rib/generate/route)**

---

**Usage** `<configuration>`  
     `<logical-systems>`  
         `<routing-instances>`  
             `<instance>`  
                 `<routing-options>`  
                     `<rib>`  
                         `<generate>`  
                             `<route>`  
                                 **`<policy>`**  
                                     `<name>name</name>`   `<!-- identifier -->`  
                                 **`</policy>`**  
                             `</route>`  
                         `</generate>`  
                     `</rib>`  
                 `</routing-options>`  
             `</instance>`  
         `</routing-instances>`  
     `</logical-systems>`  
`</configuration>`

**Description** Policy filter.

**Contents** `<name>`—Policy filter.

## **<policy> (configuration/logical-systems/routing-options/aggregate/route)**

---

**Usage** `<configuration>`  
     `<logical-systems>`  
         `<routing-options>`  
             `<aggregate>`  
                 `<route>`  
                     **`<policy>`**  
                         `<name>name</name>`   `<!-- identifier -->`  
                     **`</policy>`**  
                 `</route>`  
             `</aggregate>`  
         `</routing-options>`  
     `</logical-systems>`  
`</configuration>`

**Description** Policy filter.

**Contents** `<name>`—Policy filter.

## **<policy> (configuration/logical-systems/routing-options/flow/validation/traceoptions/flag/filter)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-options>  
             <flow>  
                 <validation>  
                     <traceoptions>  
                         <flag>  
                             <filter>  
                                 **<policy>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</policy>**  
                             </filter>  
                         </traceoptions>  
                 </validation>  
             </flow>  
         </routing-options>  
     </logical-systems>  
 </configuration>

**Description** Filter policy.

**Contents** <name>—Filter policy.

## **<policy> (configuration/logical-systems/routing-options/generate/route)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-options>  
             <generate>  
                 <route>  
                     **<policy>**  
                         <name>name</name>   <!-- identifier -->  
                     **</policy>**  
                 </route>  
             </generate>  
         </routing-options>  
     </logical-systems>  
 </configuration>

**Description** Policy filter.

**Contents** <name>—Policy filter.

## **<policy> (configuration/logical-systems/routing-options/multicast/flow-map)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-options>  
           <multicast>  
           <flow-map>  
           **<policy>**  
             <name>*name*</name>   <!-- identifier -->  
           **</policy>**  
           </flow-map>  
           </multicast>  
           </routing-options>  
           </logical-systems>  
           </configuration>

**Description**   Policy for matched flows.

**Contents**    <name>—Policy for matched flows.

## **<policy> (configuration/logical-systems/routing-options/multicast/ssm-map)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-options>  
           <multicast>  
           <ssm-map>  
           **<policy>**  
             <name>*name*</name>   <!-- identifier -->  
           **</policy>**  
           </ssm-map>  
           </multicast>  
           </routing-options>  
           </logical-systems>  
           </configuration>

**Description**   Policy for matching group.

**Contents**    <name>—Policy for matching group.

## **<policy> (configuration/logical-systems/routing-options/rib/aggregate/route)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;rib&gt;         &lt;aggregate&gt;           &lt;route&gt;             &lt;policy&gt;               &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;             &lt;/policy&gt;           &lt;/route&gt;         &lt;/aggregate&gt;       &lt;/rib&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Policy filter.
<b>Contents</b>	<name>—Policy filter.

## **<policy> (configuration/logical-systems/routing-options/rib/generate/route)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;rib&gt;         &lt;generate&gt;           &lt;route&gt;             &lt;policy&gt;               &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;             &lt;/policy&gt;           &lt;/route&gt;         &lt;/generate&gt;       &lt;/rib&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Policy filter.
<b>Contents</b>	<name>—Policy filter.

**<policy> (configuration/policy-options/policy-statement/from)**

---

**Usage** <configuration>  
           <policy-options>  
             <policy-statement>  
               <from>  
                 **<policy>**  
                   <name>name</name>   <!-- identifier -->  
                 **</policy>**  
               </from>  
             </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Name of policy to evaluate.

**Contents** <name>—Name of policy to evaluate.

**<policy> (configuration/policy-options/policy-statement/term/from)**

---

**Usage** <configuration>  
           <policy-options>  
             <policy-statement>  
               <term>  
                 <from>  
                   **<policy>**  
                     <name>name</name>   <!-- identifier -->  
                   **</policy>**  
                 </from>  
               </term>  
             </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Name of policy to evaluate.

**Contents** <name>—Name of policy to evaluate.

**<policy> (configuration/policy-options/policy-statement/term/to)**

---

**Usage** <configuration>  
           <policy-options>  
             <policy-statement>  
               <term>  
                 <to>  
                   **<policy>**  
                     <name>*name*</name>   <!-- identifier -->  
                   **</policy>**  
                 </to>  
               </term>  
             </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Name of policy to evaluate.

**Contents** <name>—Name of policy to evaluate.

**<policy> (configuration/policy-options/policy-statement/to)**

---

**Usage** <configuration>  
           <policy-options>  
             <policy-statement>  
               <to>  
                 **<policy>**  
                   <name>*name*</name>   <!-- identifier -->  
                 **</policy>**  
               </to>  
             </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Name of policy to evaluate.

**Contents** <name>—Name of policy to evaluate.

**<policy> (configuration/protocols/bgp/group/neighbor/traceoptions/flag/filter)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;protocols&gt;     &lt;bgp&gt;       &lt;group&gt;         &lt;neighbor&gt;           &lt;traceoptions&gt;             &lt;flag&gt;               &lt;filter&gt;                 &lt;policy&gt;                   &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;                 &lt;/policy&gt;               &lt;/filter&gt;             &lt;/flag&gt;           &lt;/traceoptions&gt;         &lt;/neighbor&gt;       &lt;/group&gt;     &lt;/bgp&gt;   &lt;/protocols&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Filter policy.
<b>Contents</b>	<name>—Filter policy.

**<policy> (configuration/protocols/bgp/group/traceoptions/flag/filter)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;protocols&gt;     &lt;bgp&gt;       &lt;group&gt;         &lt;traceoptions&gt;           &lt;flag&gt;             &lt;filter&gt;               &lt;policy&gt;                 &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;               &lt;/policy&gt;             &lt;/filter&gt;           &lt;/flag&gt;         &lt;/traceoptions&gt;       &lt;/group&gt;     &lt;/bgp&gt;   &lt;/protocols&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Filter policy.
<b>Contents</b>	<name>—Filter policy.

**<policy> (configuration/protocols/bgp/traceoptions/flag/filter)**

---

**Usage** <configuration>  
     <protocols>  
         <bgp>  
             <traceoptions>  
                 <flag>  
                     <filter>  
                         <policy>  
                             <name>name</name>   <!-- identifier -->  
                         </policy>  
                     </filter>  
                 </flag>  
             </traceoptions>  
         </bgp>  
     </protocols>  
 </configuration>

**Description** Filter policy.

**Contents** <name>—Filter policy.

**<policy> (configuration/protocols/ldp/next-hop/merged)**

---

**Usage** <configuration>  
     <protocols>  
         <ldp>  
             <next-hop>  
                 <merged>  
                     <policy>  
                         <name>name</name>   <!-- identifier -->  
                     </policy>  
                 </merged>  
             </next-hop>  
         </ldp>  
     </protocols>  
 </configuration>

**Description** Merged next-hop policy.

**Contents** <name>—Merged next-hop policy.



**<policy> (configuration/protocols/ldp/traceoptions/flag/filter)**

---

**Usage** <configuration>  
 <protocols>  
 <ldp>  
 <traceoptions>  
 <flag>  
 <filter>  
   **<policy>**  
     <name>*name*</name>   <!-- identifier -->  
   **</policy>**  
 </filter>  
</flag>  
</traceoptions>  
</ldp>  
</protocols>  
</configuration>

**Description** Filter policy.

**Contents** <name>—Filter policy.

**<policy> (configuration/protocols/pim/traceoptions/flag/filter)**

---

**Usage** <configuration>  
 <protocols>  
 <pim>  
 <traceoptions>  
 <flag>  
 <filter>  
   **<policy>**  
     <name>*name*</name>   <!-- identifier -->  
   **</policy>**  
 </filter>  
</flag>  
</traceoptions>  
</pim>  
</protocols>  
</configuration>

**Description** Filter policy.

**Contents** <name>—Filter policy.

**<policy> (configuration/protocols/rip/traceoptions/flag/filter)**

---

**Usage** <configuration>  
           <protocols>  
             <rip>  
               <traceoptions>  
                 <flag>  
                   <filter>  
                     <policy>  
                       <name>name</name>   <!-- identifier -->  
                     </policy>  
                   </filter>  
                 </flag>  
               </traceoptions>  
             </rip>  
           </protocols>  
         </configuration>

**Description** Filter policy.

**Contents** <name>—Filter policy.

**<policy> (configuration/routing-instances/instance/protocols/bgp/group/neighbor/traceoptions/flag/filter)**

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <protocols>  
                 <bgp>  
                   <group>  
                     <neighbor>  
                       <traceoptions>  
                         <flag>  
                           <filter>  
                             <policy>  
                               <name>name</name>   <!-- identifier -->  
                             </policy>  
                           </filter>  
                         </flag>  
                       </traceoptions>  
                     </neighbor>  
                   </group>  
                 </bgp>  
               </protocols>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** Filter policy.

**Contents** <name>—Filter policy.

**<policy> (configuration/routing-instances/instance/protocols/bgp/group/traceoptions/flag/filter)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <bgp>  
          <group>  
          <traceoptions>  
          <flag>  
          <filter>  
              **<policy>**  
                  <name>name</name>   <!-- identifier -->  
              **</policy>**  
              </filter>  
              </flag>  
              </traceoptions>  
              </group>  
              </bgp>  
              </protocols>  
              </instance>  
              </routing-instances>  
          </configuration>

**Description**   Filter policy.

**Contents**    <name>—Filter policy.

## **<policy> (configuration/routing-instances/instance/protocols/bgp/traceoptions/flag/filter)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <protocols>  
                 <bgp>  
                     <traceoptions>  
                         <flag>  
                             <filter>  
                                 **<policy>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</policy>**  
                             </filter>  
                         </flag>  
                     </traceoptions>  
                 </bgp>  
             </protocols>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Filter policy.

**Contents** <name>—Filter policy.

## **<policy> (configuration/routing-instances/instance/protocols/ldp/next-hop/merged)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <protocols>  
                 <ldp>  
                     <next-hop>  
                         <merged>  
                             **<policy>**  
                                 <name>name</name>   <!-- identifier -->  
                             **</policy>**  
                         </merged>  
                     </next-hop>  
                 </ldp>  
             </protocols>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Merged next-hop policy.

**Contents** <name>—Merged next-hop policy.

## **<policy> (configuration/routing-instances/instance/protocols/ldp/traceoptions/flag/filter)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <protocols>  
                 <ldp>  
                     <traceoptions>  
                         <flag>  
                             <filter>  
                                 **<policy>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</policy>**  
                             </filter>  
                         </flag>  
                     </traceoptions>  
                 </ldp>  
             </protocols>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Filter policy.

**Contents** <name>—Filter policy.

## **<policy> (configuration/routing-instances/instance/protocols/pim/traceoptions/flag/filter)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <protocols>  
                 <pim>  
                     <traceoptions>  
                         <flag>  
                             <filter>  
                                 **<policy>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</policy>**  
                             </filter>  
                         </flag>  
                     </traceoptions>  
                 </pim>  
             </protocols>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Filter policy.

**Contents** <name>—Filter policy.

## <policy> (configuration/routing-instances/instance/protocols/rip/traceoptions/flag/filter)

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <rip>
          <traceoptions>
            <flag>
              <filter>
                <policy>
                  <name>name</name>    <!-- identifier -->
                </policy>
              </filter>
            </flag>
          </traceoptions>
        </rip>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Filter policy.

**Contents** <name>—Filter policy.

## <policy> (configuration/routing-instances/instance/routing-options/aggregate/route)

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <routing-options>
        <aggregate>
          <route>
            <policy>
              <name>name</name>    <!-- identifier -->
            </policy>
          </route>
        </aggregate>
      </routing-options>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Policy filter.

**Contents** <name>—Policy filter.

## **<policy> (configuration/routing-instances/instance/routing-options/flow/validation/traceoptions/flag/filter)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <routing-options>  
                 <flow>  
                     <validation>  
                         <traceoptions>  
                             <flag>  
                                 <filter>  
                                     **<policy>**  
   <name>name</name>   <!-- identifier -->  
                                     **</policy>**  
                                 </filter>  
                             </flag>  
                         </traceoptions>  
                 </validation>  
             </flow>  
         </routing-options>  
     </instance>  
 </routing-instances>  
</configuration>

**Description** Filter policy.

**Contents** <name>—Filter policy.

## **<policy> (configuration/routing-instances/instance/routing-options/generate/route)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <routing-options>  
                 <generate>  
                     <route>  
                         **<policy>**  
                             <name>name</name>   <!-- identifier -->  
                         **</policy>**  
                     </route>  
                 </generate>  
             </routing-options>  
         </instance>  
     </routing-instances>  
</configuration>

**Description** Policy filter.

**Contents** <name>—Policy filter.

## **<policy> (configuration/routing-instances/instance/routing-options/multicast/flow-map)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <routing-options>  
           <multicast>  
           <flow-map>  
           **<policy>**  
             <name>name</name>   <!-- identifier -->  
           **</policy>**  
           </flow-map>  
           </multicast>  
           </routing-options>  
           </instance>  
           </routing-instances>  
         </configuration>

**Description**   Policy for matched flows.

**Contents**    <name>—Policy for matched flows.

## **<policy> (configuration/routing-instances/instance/routing-options/multicast/ssm-map)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <routing-options>  
           <multicast>  
           <ssm-map>  
           **<policy>**  
             <name>name</name>   <!-- identifier -->  
           **</policy>**  
           </ssm-map>  
           </multicast>  
           </routing-options>  
           </instance>  
           </routing-instances>  
         </configuration>

**Description**   Policy for matching group.

**Contents**    <name>—Policy for matching group.



## **<policy> (configuration/routing-instances/instance/routing-options/rib/aggregate/route)**

---

**Usage** `<configuration>`  
     `<routing-instances>`  
         `<instance>`  
             `<routing-options>`  
                 `<rib>`  
                     `<aggregate>`  
                         `<route>`  
                             **<policy>**  
                                 `<name>name</name>`   <!-- identifier -->  
                             **</policy>**  
                         `</route>`  
                     `</aggregate>`  
                 `</rib>`  
             `</routing-options>`  
         `</instance>`  
     `</routing-instances>`  
`</configuration>`

**Description** Policy filter.

**Contents** `<name>`—Policy filter.

## **<policy> (configuration/routing-instances/instance/routing-options/rib/generate/route)**

---

**Usage** `<configuration>`  
     `<routing-instances>`  
         `<instance>`  
             `<routing-options>`  
                 `<rib>`  
                     `<generate>`  
                         `<route>`  
                             **<policy>**  
                                 `<name>name</name>`   <!-- identifier -->  
                             **</policy>**  
                         `</route>`  
                     `</generate>`  
                 `</rib>`  
             `</routing-options>`  
         `</instance>`  
     `</routing-instances>`  
`</configuration>`

**Description** Policy filter.

**Contents** `<name>`—Policy filter.

**<policy> (configuration/routing-options/aggregate/route)**

---

**Usage**   <configuration>  
          <routing-options>  
          <aggregate>  
          <route>  
            **<policy>**  
              <name>name</name>   <!-- identifier -->  
            **</policy>**  
          </route>  
          </aggregate>  
          </routing-options>  
        </configuration>

**Description**   Policy filter.

**Contents**    <name>—Policy filter.

**<policy> (configuration/routing-options/flow/validation/traceoptions/flag/filter)**

---

**Usage**   <configuration>  
          <routing-options>  
          <flow>  
          <validation>  
          <traceoptions>  
          <flag>  
          <filter>  
            **<policy>**  
              <name>name</name>   <!-- identifier -->  
            **</policy>**  
          </filter>  
          </flag>  
          </traceoptions>  
          </validation>  
          </flow>  
          </routing-options>  
        </configuration>

**Description**   Filter policy.

**Contents**    <name>—Filter policy.

**<policy> (configuration/routing-options/generate/route)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;generate&gt;       &lt;route&gt;         &lt;policy&gt;           &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;/policy&gt;       &lt;/route&gt;     &lt;/generate&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Policy filter.
<b>Contents</b>	<name>—Policy filter.

**<policy> (configuration/routing-options/multicast/flow-map)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;multicast&gt;       &lt;flow-map&gt;         &lt;policy&gt;           &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;/policy&gt;       &lt;/flow-map&gt;     &lt;/multicast&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Policy for matched flows.
<b>Contents</b>	<name>—Policy for matched flows.

**<policy> (configuration/routing-options/multicast/ssm-map)**

---

**Usage** <configuration>  
           <routing-options>  
             <multicast>  
               <ssm-map>  
                 **<policy>**  
                   <name>name</name>   <!-- identifier -->  
                 **</policy>**  
               </ssm-map>  
             </multicast>  
           </routing-options>  
         </configuration>

**Description** Policy for matching group.

**Contents** <name>—Policy for matching group.

**<policy> (configuration/routing-options/rib/aggregate/route)**

---

**Usage** <configuration>  
           <routing-options>  
             <rib>  
               <aggregate>  
                 <route>  
                   **<policy>**  
                     <name>name</name>   <!-- identifier -->  
                   **</policy>**  
                 </route>  
               </aggregate>  
             </rib>  
           </routing-options>  
         </configuration>

**Description** Policy filter.

**Contents** <name>—Policy filter.

**<policy> (configuration/routing-options/rib/generate/route)**

---

**Usage**   <configuration>  
           <routing-options>  
           <rib>  
           <generate>  
           <route>  
             **<policy>**  
               <name>*name*</name>   <!-- identifier -->  
             **</policy>**  
           </route>  
         </generate>  
       </rib>  
     </routing-options>  
 </configuration>

**Description**   Policy filter.

**Contents**   <name>—Policy filter.

**<policy> (configuration/security/ike)**

---

**Usage** <configuration>  
           <security>  
             <ike>  
               **<policy>**  
                 <name>*name*</name>   <!-- identifier -->  
                 <mode>*mode-choice*</mode>  
                 <description>*description*</description>  
                 <proposals>...</proposals>  
                 <local-certificate>*local-certificate*</local-certificate>  
                 <local-key-pair>*local-key-pair*</local-key-pair>  
                 <encoding>*encoding-choice*</encoding>  
                 <identity>*identity*</identity>  
                 <pre-shared-key>...</pre-shared-key>  
               **</policy>**  
             </ike>  
           </security>  
         </configuration>

**Description** Define an IKE policy.

**Contents** <description>—Text description of IKE policy.

<encoding>—Encoding to use for certificate or CRL on disk.

■ binary—DER encoding.

■ pem—Privacy-enhanced-mail encoding, base64.

<identity>—Define the remote certificate name.

<local-certificate>—File to read certificate from.

<local-key-pair>—File to read key-pair from.

<mode>—Define the IKE first phase mode.

■ aggressive—Aggressive mode.

■ main—Main mode.

<name>—IKE peer address.

<pre-shared-key>—Define a preshared key.

<proposals>—Define the set of IKE proposals.

**<policy> (configuration/security/ipsec)**

---

**Usage**   <configuration>  
           <security>  
           <ipsec>  
             **<policy>**  
               <name>*name*</name>   <!-- identifier -->  
               <description>*description*</description>  
               <perfect-forward-secrecy>...</perfect-forward-secrecy>  
               <proposals>...</proposals>  
             **</policy>**  
           </ipsec>  
         </security>  
       </configuration>

**Description**   Define an IPSec policy.

**Contents**   <description>—Text description of IPSec policy.  
               <name>—Name of the IPSec policy.  
               <perfect-forward-secrecy>—Define perfect forward secrecy.  
               <proposals>—Define the set of IPSec proposals.

**<policy> (configuration/services/ipsec-vpn/ike)**

---

**Usage** <configuration>  
           <services>  
             <ipsec-vpn>  
               <ike>  
                 **<policy>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <description>*description*</description>  
                   <mode>*mode-choice*</mode>  
                   <proposals>...</proposals>  
                   <local-id>...</local-id>  
                   <local-certificate>*local-certificate*</local-certificate>  
                   <remote-id>...</remote-id>  
                   <pre-shared-key>...</pre-shared-key>  
                 **</policy>**  
               </ike>  
             </ipsec-vpn>  
           </services>  
         </configuration>

**Description** Define an IKE policy.

**Contents** <description>—Text description of IKE policy.

<local-certificate>—Local certificate identifier.

<local-id>—Define local identification.

<mode>—Define the IKE first phase mode.

■ aggressive—Aggressive mode.

■ main—Main mode.

<name>—Name of the IKE policy.

<pre-shared-key>—Define a preshared key.

<proposals>—Define the set of IKE proposals.

<remote-id>—Define remote identification.



**<policy> (configuration/services/ipsec-vpn/ipsec)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ipsec-vpn&gt;       &lt;ipsec&gt;         &lt;policy&gt;           &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;           &lt;description&gt;description&lt;/description&gt;           &lt;perfect-forward-secrecy&gt;...&lt;/perfect-forward-secrecy&gt;           &lt;proposals&gt;...&lt;/proposals&gt;         &lt;/policy&gt;       &lt;/ipsec&gt;     &lt;/ipsec-vpn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Define an IPSec policy.
<b>Contents</b>	<p>&lt;description&gt;—Text description of IPSec policy.</p> <p>&lt;name&gt;—Name of the IPSec policy.</p> <p>&lt;perfect-forward-secrecy&gt;—Define perfect forward secrecy.</p> <p>&lt;proposals&gt;—Define the set of IPSec proposals.</p>

**<policy-control> (configuration/services/ggsn/apn/service-based-charging)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;apn&gt;         &lt;service-based-charging&gt;           &lt;policy-control&gt;             &lt;dynamic&gt;...&lt;/dynamic&gt;             &lt;static&gt;...&lt;/static&gt;           &lt;/policy-control&gt;         &lt;/service-based-charging&gt;       &lt;/apn&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Policy control.
<b>Contents</b>	<p>&lt;dynamic&gt;—Dynamic policy control.</p> <p>&lt;static&gt;—Static policy control.</p>

## <policy-options> (configuration)

---

**Usage** <configuration>  
    <policy-options>  
        <prefix-list>...</prefix-list>  
        <policy-statement>...</policy-statement>  
        <community>...</community>  
        <as-path>...</as-path>  
        <as-path-group>...</as-path-group>  
        <damping>...</damping>  
        <condition>...</condition>  
    </policy-options>  
</configuration>

**Description** Routing policy option configuration.

**Contents** <as-path>—BGP autonomous system path regular expression.

<as-path-group>—Group a set of AS paths.

<community>—BGP community information.

<condition>—Define a route advertisement condition.

<damping>—BGP route flap damping properties.

<policy-statement>—Routing policy.

<prefix-list>—Define a named set of address prefixes.

**<policy-options> (configuration/logical-systems)**

---

**Usage** <configuration>  
           <logical-systems>  
             **<policy-options>**  
               <prefix-list>...</prefix-list>  
               <policy-statement>...</policy-statement>  
               <community>...</community>  
               <as-path>...</as-path>  
               <as-path-group>...</as-path-group>  
               <damping>...</damping>  
               <condition>...</condition>  
             **</policy-options>**  
           </logical-systems>  
         </configuration>

**Description** Routing policy option configuration.

**Contents** <as-path>—BGP autonomous system path regular expression.

<as-path-group>—Group a set of AS paths.

<community>—BGP community information.

<condition>—Define a route advertisement condition.

<damping>—BGP route flap damping properties.

<policy-statement>—Routing policy.

<prefix-list>—Define a named set of address prefixes.

**<policy-statement> (configuration/logical-systems/policy-options)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;policy-options&gt;       &lt;policy-statement&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;term&gt;...&lt;/term&gt;         &lt;from&gt;...&lt;/from&gt;         &lt;to&gt;...&lt;/to&gt;         &lt;then&gt;...&lt;/then&gt;       &lt;/policy-statement&gt;     &lt;/policy-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Routing policy.
<b>Contents</b>	<p>&lt;from&gt;—Conditions to match the source of a route.</p> <p>&lt;name&gt;—Name to identify a policy filter.</p> <p>&lt;term&gt;—Policy term.</p> <p>&lt;then&gt;—Actions to take if 'from' and 'to' conditions match.</p> <p>&lt;to&gt;—Conditions to match the destination of a route.</p>

**<policy-statement> (configuration/policy-options)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;policy-options&gt;     &lt;policy-statement&gt;       &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;       &lt;term&gt;...&lt;/term&gt;       &lt;from&gt;...&lt;/from&gt;       &lt;to&gt;...&lt;/to&gt;       &lt;then&gt;...&lt;/then&gt;     &lt;/policy-statement&gt;   &lt;/policy-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Routing policy.
<b>Contents</b>	<p>&lt;from&gt;—Conditions to match the source of a route.</p> <p>&lt;name&gt;—Name to identify a policy filter.</p> <p>&lt;term&gt;—Policy term.</p> <p>&lt;then&gt;—Actions to take if 'from' and 'to' conditions match.</p> <p>&lt;to&gt;—Conditions to match the destination of a route.</p>

**<pool> (configuration/access/address-assignment)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;access&gt;     &lt;address-assignment&gt;       &lt;pool&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;family&gt;...&lt;/family&gt;       &lt;/pool&gt;     &lt;/address-assignment&gt;   &lt;/access&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Address pool.
<b>Contents</b>	<p>&lt;family&gt;—Address family.</p> <p>&lt;name&gt;—Address pool name.</p>

**<pool> (configuration/logical-systems/access/address-assignment)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;access&gt;       &lt;address-assignment&gt;         &lt;pool&gt;           &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;           &lt;family&gt;...&lt;/family&gt;         &lt;/pool&gt;       &lt;/address-assignment&gt;     &lt;/access&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Address pool.
<b>Contents</b>	<p>&lt;family&gt;—Address family.</p> <p>&lt;name&gt;—Address pool name.</p>

## **<pool> (configuration/logical-systems/routing-instances/instance/access/address-assignment)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-instances&gt;       &lt;instance&gt;         &lt;access&gt;           &lt;address-assignment&gt;             <b>&lt;pool&gt;</b>               &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;               &lt;family&gt;...&lt;/family&gt;             <b>&lt;/pool&gt;</b>           &lt;/address-assignment&gt;         &lt;/access&gt;       &lt;/instance&gt;     &lt;/routing-instances&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Address pool.
<b>Contents</b>	<p>&lt;family&gt;—Address family.</p> <p>&lt;name&gt;—Address pool name.</p>

## **<pool> (configuration/routing-instances/instance/access/address-assignment)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;access&gt;         &lt;address-assignment&gt;           <b>&lt;pool&gt;</b>             &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;             &lt;family&gt;...&lt;/family&gt;           <b>&lt;/pool&gt;</b>         &lt;/address-assignment&gt;       &lt;/access&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Address pool.
<b>Contents</b>	<p>&lt;family&gt;—Address family.</p> <p>&lt;name&gt;—Address pool name.</p>

**<pool> (configuration/services/nat)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;nat&gt;       &lt;pool&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;pgcp&gt;...&lt;/pgcp&gt;         &lt;address&gt;...&lt;/address&gt;         &lt;address-range&gt;...&lt;/address-range&gt;         &lt;port&gt;...&lt;/port&gt;       &lt;/pool&gt;     &lt;/nat&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Define a NAT pool.
<b>Contents</b>	<p>&lt;address&gt;—Address or address prefix for NAT.</p> <p>&lt;address-range&gt;—Range of addresses for NAT.</p> <p>&lt;name&gt;—Pool name.</p> <p>&lt;pgcp&gt;—NAT pool should be used exclusive by the pgcp service.</p> <p>&lt;port&gt;—Specify ports for NAT.</p>

**<pool> (configuration/services/service-interface-pools)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;service-interface-pools&gt;       &lt;pool&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;interface&gt;...&lt;/interface&gt;       &lt;/pool&gt;     &lt;/service-interface-pools&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Define service interface pool.
<b>Contents</b>	<p>&lt;interface&gt;—Service interface name.</p> <p>&lt;name&gt;—Service interface pool name.</p>

**<pool> (configuration/system/services/dhcp)**

---

**Usage** <configuration>  
           <system>  
             <services>  
               <dhcp>  
                 **<pool>**  
                   <name>name</name>   <!-- identifier -->  
                   <address-range>...</address-range>  
                   <exclude-address>...</exclude-address>  
                   <maximum-lease-time>maximum-lease-time-choice</maximum-lease-time>  
                   <default-lease-time>default-lease-time-choice</default-lease-time>  
                   <domain-name>domain-name</domain-name>  
                   <name-server>...</name-server>  
                   <domain-search>...</domain-search>  
                   <wins-server>...</wins-server>  
                   <router>...</router>  
                   <boot-file>boot-file</boot-file>  
                   <boot-server>boot-server</boot-server>  
                   <next-server>next-server</next-server>  
                   <server-identifier>server-identifier</server-identifier>  
                   <option>...</option>  
                 **</pool>**  
               </dhcp>  
             </services>  
           </system>  
         </configuration>

**Description** DHCP address pool.

**Contents** <address-range>—Range of addresses to choose from.

<boot-file>—Boot filename advertised to clients.

<boot-server>—Boot server advertised to clients.

<default-lease-time>—Default lease time advertised to clients.

- infinite—Lease never expires.
- length—Number of seconds.

<domain-name>—Domain name advertised to clients.

<domain-search>—Domain search list used to resolve hostnames.

<exclude-address>—Address to exclude from pool.

<maximum-lease-time>—Maximum lease time advertised to clients.

- infinite—Lease time can be infinite.
- length—Number of seconds.

<name>—Logical subnet address/netmask.



<name-server>—Domain name servers available to the client.

<next-server>—Next server that clients need to contact.

<option>—DHCP option.

<router>—Routers advertised to clients.

<server-identifier>—DHCP server identifier advertised to clients.

<wins-server>—NetBIOS name servers.

### **<pool-match-order> (configuration/logical-systems/ routing-instances/instance/system/services/dhcp-local-server)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <system>  
                     <services>  
                         <dhcp-local-server>  
                             **<pool-match-order>**  
                                 <name>name</name>   <!-- identifier -->  
                             **</pool-match-order>**  
                         </dhcp-local-server>  
                     </services>  
                 </system>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** Define order of attribute matching for pool selection.

**Contents** <name>—Match type.

- external-authority—External authority handles address selection.
- ip-address-first—IP address used first to select a pool.
- option-82—Option 82 used in matching of pool.

## **<pool-match-order> (configuration/logical-systems/system/services/dhcp-local-server)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <system>  
           <services>  
           <dhcp-local-server>  
             **<pool-match-order>**  
               <name>*name*</name>   <!-- identifier -->  
             **</pool-match-order>**  
           </dhcp-local-server>  
         </services>  
       </system>  
     </logical-systems>  
 </configuration>

**Description**   Define order of attribute matching for pool selection.

**Contents**   <name>—Match type.

- external-authority—External authority handles address selection.
- ip-address-first—IP address used first to select a pool.
- option-82—Option 82 used in matching of pool.

## **<pool-match-order> (configuration/routing-instances/instance/system/services/dhcp-local-server)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <system>  
                 <services>  
                     <dhcp-local-server>  
                         **<pool-match-order>**  
                             <name>*name*</name>   <!-- identifier -->  
                         **</pool-match-order>**  
                     </dhcp-local-server>  
                 </services>  
             </system>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Define order of attribute matching for pool selection.

**Contents** <name>—Match type.

- external-authority—External authority handles address selection.
- ip-address-first—IP address used first to select a pool.
- option-82—Option 82 used in matching of pool.

## **<pool-match-order> (configuration/services/mobile-ip/home-agent)**

---

**Usage** <configuration>  
     <services>  
         <mobile-ip>  
             <home-agent>  
                 **<pool-match-order>**  
                     <name>*name*</name>   <!-- identifier -->  
                 **</pool-match-order>**  
             </home-agent>  
         </mobile-ip>  
     </services>  
 </configuration>

**Description** Define order of attribute matching for pool selection.

**Contents** <name>—Match type.

- external-authority—External authority handles address selection.
- home-agent-address—Home agent IP address is used to select the Pool.

## **<pool-match-order> (configuration/system/services/dhcp-local-server)**

---

**Usage**   <configuration>  
           <system>  
           <services>  
           <dhcp-local-server>  
             **<pool-match-order>**  
               <name>name</name>   <!-- identifier -->  
             **</pool-match-order>**  
           </dhcp-local-server>  
         </services>  
       </system>  
     </configuration>

**Description** Define order of attribute matching for pool selection.

**Contents**   <name>—Match type.

- external-authority—External authority handles address selection.
- ip-address-first—IP address used first to select a pool.
- option-82—Option 82 used in matching of pool.

## **<pop-all-labels> (configuration/dynamic-profiles/interfaces/interface/atm-options/mpls)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <atm-options>  
           <mpls>  
             **<pop-all-labels>**  
               <required-depth>...</required-depth>  
             **</pop-all-labels>**  
           </mpls>  
         </atm-options>  
       </interface>  
     </interfaces>  
   </dynamic-profiles>  
</configuration>

**Description** Pop all MPLS labels off incoming packets.

**Contents**   <required-depth>—Required label depth of packet to pop all labels.

## **<pop-all-labels> (configuration/dynamic-profiles/interfaces/ interface/fastether-options/mpls)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <fastether-options>  
           <mpls>  
           **<pop-all-labels>**  
           <required-depth>...</required-depth>  
           **</pop-all-labels>**  
           </mpls>  
           </fastether-options>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
           </configuration>

**Description** Pop all MPLS labels off incoming packets.

**Contents** <required-depth>—Required label depth of packet to pop all labels.

## **<pop-all-labels> (configuration/dynamic-profiles/interfaces/ interface/gigether-options/mpls)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <gigether-options>  
           <mpls>  
           **<pop-all-labels>**  
           <required-depth>...</required-depth>  
           **</pop-all-labels>**  
           </mpls>  
           </gigether-options>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
           </configuration>

**Description** Pop all MPLS labels off incoming packets.

**Contents** <required-depth>—Required label depth of packet to pop all labels.

## **<pop-all-labels> (configuration/dynamic-profiles/interfaces/interface/sonet-options/mpls)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <sonet-options>  
           <mpls>  
             **<pop-all-labels>**  
               <required-depth>...</required-depth>  
             **</pop-all-labels>**  
           </mpls>  
           </sonet-options>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description** Pop all MPLS labels off incoming packets.

**Contents** <required-depth>—Required label depth of packet to pop all labels.

## **<pop-all-labels> (configuration/interfaces/interface/atm-options/mpls)**

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
           <atm-options>  
           <mpls>  
             **<pop-all-labels>**  
               <required-depth>...</required-depth>  
             **</pop-all-labels>**  
           </mpls>  
           </atm-options>  
           </interface>  
           </interfaces>  
         </configuration>

**Description** Pop all MPLS labels off incoming packets.

**Contents** <required-depth>—Required label depth of packet to pop all labels.

## **<pop-all-labels> (configuration/interfaces/interface/fastether-options/mpls)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <fastether-options>  
                 <mpls>  
                   **<pop-all-labels>**  
                     <required-depth>...</required-depth>  
                   **</pop-all-labels>**  
                 </mpls>  
               </fastether-options>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** Pop all MPLS labels off incoming packets.

**Contents** <required-depth>—Required label depth of packet to pop all labels.

## **<pop-all-labels> (configuration/interfaces/interface/gigether-options/mpls)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <gigether-options>  
                 <mpls>  
                   **<pop-all-labels>**  
                     <required-depth>...</required-depth>  
                   **</pop-all-labels>**  
                 </mpls>  
               </gigether-options>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** Pop all MPLS labels off incoming packets.

**Contents** <required-depth>—Required label depth of packet to pop all labels.

## **<pop-all-labels> (configuration/interfaces/interface/sonet-options/mpls)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <sonet-options>  
                 <mpls>  
                   **<pop-all-labels>**  
                     <required-depth>...</required-depth>  
                   **</pop-all-labels>**  
                 </mpls>  
               </sonet-options>  
             </interface>  
           </interfaces>  
   </configuration>

**Description** Pop all MPLS labels off incoming packets.

**Contents** <required-depth>—Required label depth of packet to pop all labels.

## **<pop3> (configuration/services/ggsn/service-identification/pop3-rule/term/from)**

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               <service-identification>  
                 <pop3-rule>  
                   <term>  
                     <from>  
                       **<pop3>**  
                         <user>...</user>  
                         <operation>...</operation>  
                       **</pop3>**  
                     </from>  
                   </term>  
                 </pop3-rule>  
               </service-identification>  
             </ggsn>  
           </services>  
   </configuration>

**Description** Match POP3 sessions.

**Contents** <operation>—Limit match to operation being performed.

<user>—Match user.



**<pop3-rule> (configuration/services/ggsn/service-identification)**

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               <service-identification>  
                 **<pop3-rule>**  
                   <name>name</name>   <!-- identifier -->  
                   <term>...</term>   <!-- mandatory -->  
                 **</pop3-rule>**  
               </service-identification>  
             </ggsn>  
           </services>  
         </configuration>

**Description** POP3 rule.

**Contents** <name>—Rule name.  
               <term>—Define a service identification term.

**<pop3-rule-set> (configuration/services/ggsn/service-identification)**

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               <service-identification>  
                 **<pop3-rule-set>**  
                   <name>name</name>   <!-- identifier -->  
                   <rule>...</rule>  
                 **</pop3-rule-set>**  
               </service-identification>  
             </ggsn>  
           </services>  
         </configuration>

**Description** Define a set of POP3 rules.

**Contents** <name>—Name of the rule set.  
               <rule>—Rule to be included in this rule set.

## <port> (configuration/chassis/fpc/pic)

---

**Usage** <configuration>  
    <chassis>  
        <fpc>  
            <pic>  
                <port>  
                    <name>name</name>   <!-- identifier -->  
                    <framing>framing-choice</framing>  
                </port>  
            </pic>  
        </fpc>  
    </chassis>  
</configuration>

**Description** Port number.

**Contents** <framing>—Framing mode.

- e1—E1 mode.
- e3—E3 mode.
- sdh—SDH mode.
- sonet—SONET mode.
- t1—T1 mode.
- t3—T3 mode.

<name>—Port number.

**<port> (configuration/chassis/fpc/pic/ct3)**

---

**Usage**   <configuration>  
          <chassis>  
          <fpc>  
          <pic>  
          <ct3>  
            **<port>**  
              <name>*name*</name>   <!-- identifier -->  
              <t1>...</t1>  
            **</port>**  
          </ct3>  
        </pic>  
      </fpc>  
    </chassis>  
  </configuration>

**Description**   CT3 port.

**Contents**   <name>—CT3 port number.  
              <t1>—T1 link.

## <port> (configuration/chassis/lcc/fpc/pic)

---

**Usage**   <configuration>  
          <chassis>  
          <lcc>  
          <fpc>  
          <pic>  
          <port>  
            <name>*name*</name>   <!-- identifier -->  
            <framing>*framing-choice*</framing>  
          </port>  
          </pic>  
          </fpc>  
          </lcc>  
          </chassis>  
        </configuration>

**Description**   Port number.

**Contents**   <framing>—Framing mode.

- e1—E1 mode.
- e3—E3 mode.
- sdh—SDH mode.
- sonet—SONET mode.
- t1—T1 mode.
- t3—T3 mode.

<name>—Port number.

**<port> (configuration/chassis/lcc/fpc/pic/ct3)**

---

**Usage** <configuration>  
           <chassis>  
             <lcc>  
               <fpc>  
                 <pic>  
                   <ct3>  
                     **<port>**  
                       <name>*name*</name>   <!-- identifier -->  
                       <t1>...</t1>  
                     **</port>**  
                   </ct3>  
                 </pic>  
               </fpc>  
             </lcc>  
           </chassis>  
         </configuration>

**Description** CT3 port.

**Contents** <name>—CT3 port number.  
             <t1>—T1 link.

**<port> (configuration/dynamic-profiles/interfaces/interface/unit/compression/rtp)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
             <interfaces>  
               <interface>  
                 <unit>  
                   <compression>  
                     <rtp>  
                       **<port>**  
                       <minimum>*minimum*</minimum>   <!-- mandatory -->  
                       <maximum>*maximum*</maximum>   <!-- mandatory -->  
                       **</port>**  
                     </rtp>  
                   </compression>  
                 </unit>  
               </interface>  
             </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description** UDP destination ports reserved for RTP packets.

**Contents** <maximum>—No documentation is available yet.  
             <minimum>—No documentation is available yet.

**<port> (configuration/firewall/family/bridge/filter/term/from)**

---

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

**Description** Match TCP/UDP source or destination port.

**Contents** <name>—No documentation is available yet.

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.
- http—Hypertext Transfer Protocol.

- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
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- `mobilip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.
- `range`—Range of values.

- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
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- `syslog`—System log.
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- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.



## <port> (configuration/firewall/family/ethernet-switching/filter/term/from)

---

**Usage** <configuration>  
           <firewall>  
             <family>  
               <ethernet-switching>  
                 <filter>  
                   <term>  
                     <from>  
                       <port>  
                         <name>*name*</name>   <!-- identifier -->  
                       </port>  
                     </from>  
                   </term>  
                 </filter>  
               </ethernet-switching>  
             </family>  
           </firewall>  
         </configuration>

**Description** Match TCP/UDP source or destination port.

**Contents** <name>—No documentation is available yet.

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- bgp—Border Gateway Protocol.
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- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.

- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
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- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX `rwho`.
- `xmcp`—X Display Manager Control Protocol.

**<port> (configuration/firewall/family/inet/filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
             <family>  
               <inet>  
                 <filter>  
                   <term>  
                     <from>  
                       **<port>**  
                         <name>name</name>   <!-- identifier -->  
                       **</port>**  
                     </from>  
                   </term>  
                 </filter>  
               </inet>  
             </family>  
           </firewall>  
         </configuration>

**Description** Match TCP/UDP source or destination port.

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- `snmptrap`—SNMP traps.
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- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

## **<port> (configuration/firewall/family/inet/service-filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
           <family>  
           <inet>  
           <service-filter>  
           <term>  
           <from>  
             **<port>**  
               <name>*name*</name>   <!-- identifier -->  
             **</port>**  
           </from>  
           </term>  
           </service-filter>  
           </inet>  
           </family>  
           </firewall>  
         </configuration>

**Description** Match TCP/UDP source or destination port.

**Contents** <name>—No documentation is available yet.

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- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.

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- `https`—Secure HTTP.
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- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.



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- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX `rwho`.
- `xmcp`—X Display Manager Control Protocol.

**<port> (configuration/firewall/family/inet6/filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
             <family>  
               <inet6>  
                 <filter>  
                   <term>  
                     <from>  
                       **<port>**  
                         <name>name</name>   <!-- identifier -->  
                       **</port>**  
                     </from>  
                   </term>  
                 </filter>  
               </inet6>  
             </family>  
           </firewall>  
         </configuration>

**Description** Match TCP/UDP source or destination port.

**Contents** <name>—No documentation is available yet.

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- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.
- http—Hypertext Transfer Protocol.

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- `klogin`—Kerberos rlogin.
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- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

## **<port> (configuration/firewall/family/inet6/service-filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
           <family>  
           <inet6>  
           <service-filter>  
           <term>  
           <from>  
             **<port>**  
               <name>*name*</name>   <!-- identifier -->  
             **</port>**  
           </from>  
           </term>  
           </service-filter>  
           </inet6>  
           </family>  
           </firewall>  
         </configuration>

**Description** Match TCP/UDP source or destination port.

**Contents** <name>—No documentation is available yet.

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- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

**<port> (configuration/firewall/family/vpls/filter/term/from)**

---

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

**Description** Match TCP/UDP source or destination port.

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**<port> (configuration/firewall/filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
           <filter>  
           <term>  
           <from>  
             **<port>**  
               <name>*name*</name>   <!-- identifier -->  
             **</port>**  
           </from>  
         </term>  
       </filter>  
     </firewall>  
 </configuration>

**Description** Match TCP/UDP source or destination port.

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**<port> (configuration/forwarding-options/helpers)**

---

**Usage** <configuration>  
           <forwarding-options>  
           <helpers>  
           **<port>**  
             <name>*name*</name>   <!-- identifier -->  
             <description>*description*</description>  
             <server>...</server>  
             <interface>...</interface>  
           **</port>**  
           </helpers>  
         </forwarding-options>  
       </configuration>

**Description** Incoming arbitrary protocol request forwarding configuration.

**Contents** <description>—Text description of server.

              <interface>—Incoming request forwarding interface configuration.

              <name>—Port number of the protocol to listen.

              <server>—Server information.

**<port> (configuration/interfaces/interface/unit/compression/rtp)**

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
           <unit>  
           <compression>  
           <rtp>  
           **<port>**  
             <minimum>*minimum*</minimum>   <!-- mandatory -->  
             <maximum>*maximum*</maximum>   <!-- mandatory -->  
           **</port>**  
           </rtp>  
           </compression>  
           </unit>  
         </interface>  
       </interfaces>  
     </configuration>

**Description** UDP destination ports reserved for RTP packets.

**Contents** <maximum>—No documentation is available yet.

              <minimum>—No documentation is available yet.

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

---

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

**Description** Match TCP/UDP source or destination port.

**Contents** <name>—No documentation is available yet.

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.

- ftp-data—FTP data.
- http—Hypertext Transfer Protocol.
- https—Secure HTTP.
- ident—Ident.
- imap—Internet Message Access Protocol.
- kerberos-sec—Kerberos Security.
- klogin—Kerberos rlogin.
- kpasswd—Kerberos passwd.
- krb-prop—Kerberos database propagation.
- krbupdate—Kerberos database update.
- kshell—Kerberos rsh.
- ldap—Lightweight Directory Access Protocol.
- ldp—Label Distribution Protocol.
- login—UNIX rlogin.
- mobileip-agent—Mobile IP agent.
- mobilip-mn—Mobile IP MN.
- msdp—Multicast Source Discovery Protocol.
- netbios-dgm—NetBIOS DGM.
- netbios-ns—NetBIOS name service.
- netbios-ssn—NetBIOS session service.
- nfsd—Network File System.
- nntp—Network News Transport Protocol.
- ntalk—New Talk.
- ntp—Network Time Protocol.
- pop3—Post Office Protocol 3.
- pptp—Point-to-Point Tunneling Protocol.
- printer—Printer.
- radacct—RADIUS accounting.



- `radius`—RADIUS authentication.
- `range`—Range of values.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

## **<port> (configuration/logical-systems/firewall/family/ethernet-switching/filter/term/from)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <ethernet-switching>
          <filter>
            <term>
              <from>
                <port>
                  <name>name</name>    <!-- identifier -->
                </port>
              </from>
            </term>
          </filter>
        </ethernet-switching>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Match TCP/UDP source or destination port.

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- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.

- `ftp-data`—FTP data.
- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.

- radius—RADIUS authentication.
- range—Range of values.
- rip—Routing Information Protocol.
- rkinit—Kerberos remote kinit.
- smtp—Simple Mail Transfer Protocol.
- snmp—Simple Network Management Protocol.
- snmptrap—SNMP traps.
- snpp—Simple paging protocol.
- socks—Socks.
- ssh—Secure shell.
- sunrpc—Sun Microsystems remote procedure call.
- syslog—System log.
- tacacs—TACACS or TACACS + .
- tacacs-ds—TACACS-DS.
- talk—UNIX Talk.
- telnet—Telnet.
- tftp—Trivial FTP.
- timed—UNIX time daemon.
- who—UNIX rwho.
- xdmcp—X Display Manager Control Protocol.

## **<port> (configuration/logical-systems/firewall/family/inet/filter/term/from)**

---

**Usage** <configuration>  
           <logical-systems>  
           <firewall>  
           <family>  
           <inet>  
           <filter>  
           <term>  
           <from>  
               **<port>**  
                   <name>*name*</name>   <!-- identifier -->  
               **</port>**  
           </from>  
           </term>  
           </filter>  
           </inet>  
           </family>  
           </firewall>  
           </logical-systems>  
           </configuration>

**Description** Match TCP/UDP source or destination port.

**Contents** <name>—No documentation is available yet.

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- exec—UNIX rexec.
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- ftp—FTP.

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- ident—Ident.
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- kerberos-sec—Kerberos Security.
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- krb-prop—Kerberos database propagation.
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- nntp—Network News Transport Protocol.
- ntalk—New Talk.
- ntp—Network Time Protocol.
- pop3—Post Office Protocol 3.
- pptp—Point-to-Point Tunneling Protocol.
- printer—Printer.
- radacct—RADIUS accounting.

- `radius`—RADIUS authentication.
- `range`—Range of values.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

## **<port> (configuration/logical-systems/firewall/family/inet/service-filter/term/from)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <inet>
          <service-filter>
            <term>
              <from>
                <port>
                  <name>name</name>    <!-- identifier -->
                </port>
              </from>
            </term>
          </service-filter>
        </inet>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Match TCP/UDP source or destination port.

**Contents** <name>—No documentation is available yet.

- afs—AFS.
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- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.



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- `https`—Secure HTTP.
- `ident`—Ident.
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- `klogin`—Kerberos rlogin.
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- `ldp`—Label Distribution Protocol.
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- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.

- radius—RADIUS authentication.
- range—Range of values.
- rip—Routing Information Protocol.
- rkinit—Kerberos remote kinit.
- smtp—Simple Mail Transfer Protocol.
- snmp—Simple Network Management Protocol.
- snmptrap—SNMP traps.
- snpp—Simple paging protocol.
- socks—Socks.
- ssh—Secure shell.
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- syslog—System log.
- tacacs—TACACS or TACACS + .
- tacacs-ds—TACACS-DS.
- talk—UNIX Talk.
- telnet—Telnet.
- tftp—Trivial FTP.
- timed—UNIX time daemon.
- who—UNIX rwho.
- xdmcp—X Display Manager Control Protocol.

## **<port> (configuration/logical-systems/firewall/family/inet6/filter/term/from)**

---

**Usage** <configuration>  
           <logical-systems>  
           <firewall>  
           <family>  
           <inet6>  
           <filter>  
           <term>  
           <from>  
               **<port>**  
                   <name>name</name>   <!-- identifier -->  
               **</port>**  
           </from>  
           </term>  
           </filter>  
           </inet6>  
           </family>  
           </firewall>  
           </logical-systems>  
         </configuration>

**Description** Match TCP/UDP source or destination port.

**Contents** <name>—No documentation is available yet.

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- `tftp`—Trivial FTP.
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- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

## **<port> (configuration/logical-systems/firewall/family/inet6/service-filter/term/from)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <inet6>
          <service-filter>
            <term>
              <from>
                <port>
                  <name>name</name>    <!-- identifier -->
                </port>
              </from>
            </term>
          </service-filter>
        </inet6>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Match TCP/UDP source or destination port.

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- timed—UNIX time daemon.
- who—UNIX rwho.
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## **<port> (configuration/logical-systems/firewall/family/vpls/ filter/term/from)**

---

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

**Description** Match TCP/UDP source or destination port.

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- **who**—UNIX rwho.
- **xmcp**—X Display Manager Control Protocol.

**<port> (configuration/logical-systems/firewall/filter/term/from)**

---

**Usage** <configuration>  
           <logical-systems>  
             <firewall>  
               <filter>  
                 <term>  
                   <from>  
                     **<port>**  
                       <name>*name*</name>   <!-- identifier -->  
                     **</port>**  
                   </from>  
                 </term>  
               </filter>  
             </firewall>  
           </logical-systems>  
         </configuration>

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- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.
- `range`—Range of values.
- `rip`—Routing Information Protocol.

- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS+.
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xdmcp`—X Display Manager Control Protocol.

**<port> (configuration/logical-systems/interfaces/interface/unit/  
compression/rtp)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <interfaces>  
          <interface>  
          <unit>  
          <compression>  
          <rtp>  
          **<port>**  
            <minimum>*minimum*</minimum>   <!-- mandatory -->  
            <maximum>*maximum*</maximum>   <!-- mandatory -->  
          **</port>**  
          </rtp>  
          </compression>  
          </unit>  
          </interface>  
          </interfaces>  
          </logical-systems>  
          </configuration>

**Description**   UDP destination ports reserved for RTP packets.

**Contents**   <maximum>—No documentation is available yet.  
              <minimum>—No documentation is available yet.

## **<port> (configuration/logical-systems/routing-instances/instance/forwarding-options/helpers)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <forwarding-options>  
           <helpers>  
           **<port>**  
             <name>*name*</name>   <!-- identifier -->  
             <description>*description*</description>  
             <server>...</server>  
             <interface>...</interface>  
           **</port>**  
           </helpers>  
           </forwarding-options>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
         </configuration>

**Description**   Incoming arbitrary protocol request forwarding configuration.

**Contents**   <description>—Text description of server.

          <interface>—Incoming request forwarding interface configuration.

          <name>—Port number of the protocol to listen.

          <server>—Server information.



## **<port> (configuration/logical-systems/routing-instances/instance/routing-options/flow/route/match)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <routing-options>  
                     <flow>  
                         <route>  
                             <match>  
                                 **<port>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</port>**  
                             </match>  
                         </route>  
                     </flow>  
                 </routing-options>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
 </configuration>

**Description** Source or destination TCP/UDP port.

**Contents** <name>—No documentation is available yet.

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- expression—No documentation is available yet.
- finger—Finger.

- `ftp`—FTP.
- `ftp-data`—FTP data.
- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.

- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

## <port> (configuration/logical-systems/routing-options/flow/route/match)

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-options>
      <flow>
        <route>
          <match>
            <port>
              <name>name</name>    <!-- identifier -->
            </port>
          </match>
        </route>
      </flow>
    </routing-options>
  </logical-systems>
</configuration>

```

**Description** Source or destination TCP/UDP port.

**Contents** <name>—No documentation is available yet.

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- expression—No documentation is available yet.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.

- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.

- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

## **<port> (configuration/routing-instances/instance/forwarding-options/helpers)**

---

**Usage**   <configuration>  
               <routing-instances>  
                   <instance>  
                       <forwarding-options>  
                           <helpers>  
                               **<port>**  
                                   <name>*name*</name>   <!-- identifier -->  
                                   <description>*description*</description>  
                                   <server>...</server>  
                                   <interface>...</interface>  
                               **</port>**  
                           </helpers>  
                       </forwarding-options>  
                   </instance>  
               </routing-instances>  
           </configuration>

**Description**   Incoming arbitrary protocol request forwarding configuration.

**Contents**   <description>—Text description of server.

              <interface>—Incoming request forwarding interface configuration.

              <name>—Port number of the protocol to listen.

              <server>—Server information.

## **<port> (configuration/routing-instances/instance/routing-options/flow/route/match)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <routing-options>  
           <flow>  
           <route>  
           <match>  
           **<port>**  
           <name>*name*</name>   <!-- identifier -->  
           **</port>**  
           </match>  
           </route>  
           </flow>  
           </routing-options>  
           </instance>  
           </routing-instances>  
         </configuration>

**Description**   Source or destination TCP/UDP port.

**Contents**   <name>—No documentation is available yet.

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- expression—No documentation is available yet.
- finger—Finger.
- ftp—FTP.



- `ftp-data`—FTP data.
- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.

- radius—RADIUS authentication.
- rip—Routing Information Protocol.
- rkinit—Kerberos remote kinit.
- smtp—Simple Mail Transfer Protocol.
- snmp—Simple Network Management Protocol.
- snmptrap—SNMP traps.
- snpp—Simple paging protocol.
- socks—Socks.
- ssh—Secure shell.
- sunrpc—Sun Microsystems remote procedure call.
- syslog—System log.
- tacacs—TACACS or TACACS + .
- tacacs-ds—TACACS-DS.
- talk—UNIX Talk.
- telnet—Telnet.
- tftp—Trivial FTP.
- timed—UNIX time daemon.
- who—UNIX rwho.
- xdmcp—X Display Manager Control Protocol.

**<port> (configuration/routing-options/flow/route/match)**

---

**Usage**   <configuration>  
           <routing-options>  
           <flow>  
           <route>  
           <match>  
           **<port>**  
           <name>*name*</name>   <!-- identifier -->  
           **</port>**  
           </match>  
           </route>  
           </flow>  
           </routing-options>  
         </configuration>

**Description**   Source or destination TCP/UDP port.

**Contents**   <name>—No documentation is available yet.

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- expression—No documentation is available yet.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.
- http—Hypertext Transfer Protocol.
- https—Secure HTTP.

- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.

- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

## **<port> (configuration/services/nat/pool)**

---

**Usage** `<configuration>`  
           `<services>`  
           `<nat>`  
           `<pool>`  
             **<port>**  
               `<automatic>...</automatic>`  
               `<range>...</range>`  
             **</port>**  
           `</pool>`  
           `</nat>`  
           `</services>`  
           `</configuration>`

**Description** Specify ports for NAT.

**Contents** `<automatic>`—No documentation is available yet.

`<range>`—Range of ports.

## **<port-data> (configuration/forwarding-options/hash-key/family/mpls/payload/ip)**

---

**Usage**

```

<configuration>
  <forwarding-options>
    <hash-key>
      <family>
        <mpls>
          <payload>
            <ip>
              <port-data>
                <source-msb/>
                <source-lsb/>
                <destination-msb/>
                <destination-lsb/>
              </port-data>
            </ip>
          </payload>
        </mpls>
      </family>
    </hash-key>
  </forwarding-options>
</configuration>

```

**Description** No documentation is available yet.

**Contents**

- <destination-lsb>—Include the least significant byte of the destination port.
- <destination-msb>—Include the most significant byte of the destination port.
- <source-lsb>—Include the least significant byte of the source port.
- <source-msb>—Include the most significant byte of the source port.

## **<port-data> (configuration/logical-systems/routing-instances/instance/forwarding-options/hash-key/family/mpls/payload/ip)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <forwarding-options>  
           <hash-key>  
           <family>  
           <mpls>  
           <payload>  
           <ip>  
               **<port-data>**  
               <source-msb/>  
               <source-lsb/>  
               <destination-msb/>  
               <destination-lsb/>  
               **</port-data>**  
           </ip>  
           </payload>  
           </mpls>  
           </family>  
           </hash-key>  
           </forwarding-options>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   No documentation is available yet.

**Contents**   <destination-lsb>—Include the least significant byte of the destination port.  
               <destination-msb>—Include the most significant byte of the destination port.  
               <source-lsb>—Include the least significant byte of the source port.  
               <source-msb>—Include the most significant byte of the source port.

## **<port-data> (configuration/routing-instances/instance/forwarding-options/hash-key/family/mpls/payload/ip)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <forwarding-options>
        <hash-key>
          <family>
            <mpls>
              <payload>
                <ip>
                  <port-data>
                    <source-msb/>
                    <source-lsb/>
                    <destination-msb/>
                    <destination-lsb/>
                  </port-data>
                </ip>
              </payload>
            </mpls>
          </family>
        </hash-key>
      </forwarding-options>
    </instance>
  </routing-instances>
</configuration>

```

**Description** No documentation is available yet.

**Contents**

- <destination-lsb>—Include the least significant byte of the destination port.
- <destination-msb>—Include the most significant byte of the destination port.
- <source-lsb>—Include the least significant byte of the source port.
- <source-msb>—Include the most significant byte of the source port.



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

---

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

**Description** Do not match TCP/UDP source or destination port.

**Contents** <name>—No documentation is available yet.

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.

- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.

- `range`—Range of values.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX `rwho`.
- `xmcp`—X Display Manager Control Protocol.

## <port-except> (configuration/firewall/family/ethernet-switching/filter/term/from)

---

**Usage**

```
<configuration>
  <firewall>
    <family>
      <ethernet-switching>
        <filter>
          <term>
            <from>
              <port-except>
                <name>name</name>    <!-- identifier -->
              </port-except>
            </from>
          </term>
        </filter>
      </ethernet-switching>
    </family>
  </firewall>
</configuration>
```

**Description** Do not match TCP/UDP source or destination port.

**Contents** <name>—No documentation is available yet.

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.

- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.

- `range`—Range of values.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
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- `syslog`—System log.
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- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

## **<port-except> (configuration/firewall/family/inet/filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
             <family>  
               <inet>  
                 <filter>  
                   <term>  
                     <from>  
                       **<port-except>**  
                         <name>*name*</name>   <!-- identifier -->  
                       **</port-except>**  
                     </from>  
                   </term>  
                 </filter>  
               </inet>  
             </family>  
           </firewall>  
         </configuration>

**Description** Do not match TCP/UDP source or destination port.

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- ekshell—Encrypted Kerberos rsh.
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- finger—Finger.
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- ftp-data—FTP data.

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- `radius`—RADIUS authentication.



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- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

## **<port-except> (configuration/firewall/family/inet/service-filter/term/from)**

---

**Usage** <configuration>  
     <firewall>  
         <family>  
             <inet>  
                 <service-filter>  
                     <term>  
                         <from>  
                             **<port-except>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</port-except>**  
                         </from>  
                     </term>  
                 </service-filter>  
             </inet>  
         </family>  
     </firewall>  
</configuration>

**Description** Do not match TCP/UDP source or destination port.

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- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.

- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
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- `klogin`—Kerberos rlogin.
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- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
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- `snpp`—Simple paging protocol.
- `socks`—Socks.
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- `syslog`—System log.
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- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

## **<port-except> (configuration/firewall/family/inet6/filter/term/from)**

---

**Usage**   <configuration>  
           <firewall>  
           <family>  
           <inet6>  
           <filter>  
           <term>  
           <from>  
               **<port-except>**  
               <name>*name*</name>   <!-- identifier -->  
               **</port-except>**  
           </from>  
           </term>  
           </filter>  
           </inet6>  
           </family>  
           </firewall>  
         </configuration>

**Description**   Do not match TCP/UDP source or destination port.

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- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.

- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
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- `ntp`—Network Time Protocol.
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- `snmp`—Simple Network Management Protocol.
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- `socks`—Socks.
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- `syslog`—System log.
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- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX `rwho`.
- `xmcp`—X Display Manager Control Protocol.

## **<port-except> (configuration/firewall/family/inet6/service-filter/term/from)**

---

**Usage** <configuration>  
     <firewall>  
         <family>  
             <inet6>  
                 <service-filter>  
                     <term>  
                         <from>  
                             **<port-except>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</port-except>**  
                         </from>  
                     </term>  
                 </service-filter>  
             </inet6>  
         </family>  
     </firewall>  
</configuration>

**Description** Do not match TCP/UDP source or destination port.

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- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.



- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
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- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
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- `snpp`—Simple paging protocol.
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- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

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

---

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

**Description** Do not match TCP/UDP source or destination port.

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- **who**—UNIX rwho.
- **xmcp**—X Display Manager Control Protocol.

**<port-except> (configuration/firewall/filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
             <filter>  
               <term>  
                 <from>  
                   **<port-except>**  
                     <name>*name*</name>   <!-- identifier -->  
                   **</port-except>**  
                 </from>  
               </term>  
             </filter>  
           </firewall>  
         </configuration>

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

---

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

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- `xmcp`—X Display Manager Control Protocol.

## **<port-except> (configuration/logical-systems/firewall/family/ethernet-switching/filter/term/from)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <ethernet-switching>
          <filter>
            <term>
              <from>
                <port-except>
                  <name>name</name>    <!-- identifier -->
                </port-except>
              </from>
            </term>
          </filter>
        </ethernet-switching>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

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- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.

- `ftp-data`—FTP data.
- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.

- radius—RADIUS authentication.
- range—Range of values.
- rip—Routing Information Protocol.
- rkinit—Kerberos remote kinit.
- smtp—Simple Mail Transfer Protocol.
- snmp—Simple Network Management Protocol.
- snmptrap—SNMP traps.
- snpp—Simple paging protocol.
- socks—Socks.
- ssh—Secure shell.
- sunrpc—Sun Microsystems remote procedure call.
- syslog—System log.
- tacacs—TACACS or TACACS + .
- tacacs-ds—TACACS-DS.
- talk—UNIX Talk.
- telnet—Telnet.
- tftp—Trivial FTP.
- timed—UNIX time daemon.
- who—UNIX rwho.
- xdmcp—X Display Manager Control Protocol.

## **<port-except> (configuration/logical-systems/firewall/family/inet/filter/term/from)**

---

**Usage** <configuration>  
           <logical-systems>  
           <firewall>  
           <family>  
           <inet>  
           <filter>  
           <term>  
           <from>  
               **<port-except>**  
                   <name>*name*</name>   <!-- identifier -->  
               **</port-except>**  
           </from>  
           </term>  
           </filter>  
           </inet>  
           </family>  
           </firewall>  
           </logical-systems>  
         </configuration>

**Description** Do not match TCP/UDP source or destination port.

**Contents** <name>—No documentation is available yet.

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.

- `ftp-data`—FTP data.
- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
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- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.



- `radius`—RADIUS authentication.
- `range`—Range of values.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

## **<port-except> (configuration/logical-systems/firewall/family/inet/service-filter/term/from)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <inet>
          <service-filter>
            <term>
              <from>
                <port-except>
                  <name>name</name>    <!-- identifier -->
                </port-except>
              </from>
            </term>
          </service-filter>
        </inet>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Do not match TCP/UDP source or destination port.

**Contents** <name>—No documentation is available yet.

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.

- `ftp-data`—FTP data.
- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.

- radius—RADIUS authentication.
- range—Range of values.
- rip—Routing Information Protocol.
- rkinit—Kerberos remote kinit.
- smtp—Simple Mail Transfer Protocol.
- snmp—Simple Network Management Protocol.
- snmptrap—SNMP traps.
- snpp—Simple paging protocol.
- socks—Socks.
- ssh—Secure shell.
- sunrpc—Sun Microsystems remote procedure call.
- syslog—System log.
- tacacs—TACACS or TACACS + .
- tacacs-ds—TACACS-DS.
- talk—UNIX Talk.
- telnet—Telnet.
- tftp—Trivial FTP.
- timed—UNIX time daemon.
- who—UNIX rwho.
- xdmcp—X Display Manager Control Protocol.

## **<port-except> (configuration/logical-systems/firewall/family/inet6/filter/term/from)**

---

**Usage** <configuration>  
     <logical-systems>  
         <firewall>  
             <family>  
                 <inet6>  
                     <filter>  
                         <term>  
                             <from>  
                                 **<port-except>**  
                                     <name>*name*</name>   <!-- identifier -->  
                                 **</port-except>**  
                             </from>  
                         </term>  
                     </filter>  
                 </inet6>  
             </family>  
         </firewall>  
     </logical-systems>  
</configuration>

**Description** Do not match TCP/UDP source or destination port.

**Contents** <name>—No documentation is available yet.

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.

- ftp-data—FTP data.
- http—Hypertext Transfer Protocol.
- https—Secure HTTP.
- ident—Ident.
- imap—Internet Message Access Protocol.
- kerberos-sec—Kerberos Security.
- klogin—Kerberos rlogin.
- kpasswd—Kerberos passwd.
- krb-prop—Kerberos database propagation.
- krbupdate—Kerberos database update.
- kshell—Kerberos rsh.
- ldap—Lightweight Directory Access Protocol.
- ldp—Label Distribution Protocol.
- login—UNIX rlogin.
- mobileip-agent—Mobile IP agent.
- mobilip-mn—Mobile IP MN.
- msdp—Multicast Source Discovery Protocol.
- netbios-dgm—NetBIOS DGM.
- netbios-ns—NetBIOS name service.
- netbios-ssn—NetBIOS session service.
- nfsd—Network File System.
- nntp—Network News Transport Protocol.
- ntalk—New Talk.
- ntp—Network Time Protocol.
- pop3—Post Office Protocol 3.
- pptp—Point-to-Point Tunneling Protocol.
- printer—Printer.
- radacct—RADIUS accounting.

- `radius`—RADIUS authentication.
- `range`—Range of values.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

## **<port-except> (configuration/logical-systems/firewall/family/inet6/service-filter/term/from)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <inet6>
          <service-filter>
            <term>
              <from>
                <port-except>
                  <name>name</name>    <!-- identifier -->
                </port-except>
              </from>
            </term>
          </service-filter>
        </inet6>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Do not match TCP/UDP source or destination port.

**Contents** <name>—No documentation is available yet.

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
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- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.



- `ftp-data`—FTP data.
- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
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- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
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- `printer`—Printer.
- `radacct`—RADIUS accounting.

- radius—RADIUS authentication.
- range—Range of values.
- rip—Routing Information Protocol.
- rkinit—Kerberos remote kinit.
- smtp—Simple Mail Transfer Protocol.
- snmp—Simple Network Management Protocol.
- snmptrap—SNMP traps.
- snpp—Simple paging protocol.
- socks—Socks.
- ssh—Secure shell.
- sunrpc—Sun Microsystems remote procedure call.
- syslog—System log.
- tacacs—TACACS or TACACS + .
- tacacs-ds—TACACS-DS.
- talk—UNIX Talk.
- telnet—Telnet.
- tftp—Trivial FTP.
- timed—UNIX time daemon.
- who—UNIX rwho.
- xdmcp—X Display Manager Control Protocol.

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

---

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

**Description** Do not match TCP/UDP source or destination port.

**Contents** <name>—No documentation is available yet.

- afs—AFS.
- bgp—Border Gateway Protocol.
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- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
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- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
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- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.

- `radius`—RADIUS authentication.
- `range`—Range of values.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
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- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

## **<port-except> (configuration/logical-systems/firewall/filter/term/from)**

---

**Usage** <configuration>  
           <logical-systems>  
             <firewall>  
               <filter>  
                 <term>  
                   <from>  
                     **<port-except>**  
                       <name>name</name>   <!-- identifier -->  
                     **</port-except>**  
                   </from>  
                 </term>  
               </filter>  
             </firewall>  
           </logical-systems>  
         </configuration>

**Description** Do not match TCP/UDP source or destination port.

**Contents** <name>—No documentation is available yet.

- afs—AFS.
- bgp—Border Gateway Protocol.
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- bootpc—Bootstrap protocol client.
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- domain—Domain Name System (DNS).
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- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.
- http—Hypertext Transfer Protocol.

- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
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- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobilip-mn`—Mobile IP MN.
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- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.
- `range`—Range of values.

- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.



## <port-mirroring> (configuration/forwarding-options)

---

**Usage**   <configuration>  
               <forwarding-options>  
                   <port-mirroring>  
                     <traceoptions>...</traceoptions>  
                     <mirror-once/>  
                     <input>...</input>  
                     <family>...</family>  
                     <instance>...</instance>  
                   </port-mirroring>  
                 </forwarding-options>  
       </configuration>

**Description**   Configure port mirroring of traffic.

**Contents**   <family>—Address family of packets to mirror.  
               <input>—Settings for sampling of input packets.  
               <instance>—Instance of port-mirroring parameters.  
               <mirror-once>—Sample the packet for port mirroring only once.  
               <traceoptions>—Port-mirroring trace options.

## **<port-mirroring> (configuration/logical-systems/ routing-instances/instance/forwarding-options)**

---

**Usage** <configuration>  
           <logical-systems>  
             <routing-instances>  
               <instance>  
                 <forwarding-options>  
                   **<port-mirroring>**  
                     <traceoptions>...</traceoptions>  
                     <mirror-once/>  
                     <input>...</input>  
                     <family>...</family>  
                     <instance>...</instance>  
                   **</port-mirroring>**  
                 </forwarding-options>  
               </instance>  
             </routing-instances>  
           </logical-systems>  
         </configuration>

**Description** Configure port mirroring of traffic.

**Contents** <family>—Address family of packets to mirror.  
               <input>—Settings for sampling of input packets.  
               <instance>—Instance of port-mirroring parameters.  
               <mirror-once>—Sample the packet for port mirroring only once.  
               <traceoptions>—Port-mirroring trace options.

## **<port-mirroring> (configuration/routing-instances/instance/forwarding-options)**

---

**Usage** <configuration>  
           <routing-instances>  
           <instance>  
           <forwarding-options>  
             **<port-mirroring>**  
               <traceoptions>...</traceoptions>  
               <mirror-once/>  
               <input>...</input>  
               <family>...</family>  
               <instance>...</instance>  
             **</port-mirroring>**  
           </forwarding-options>  
         </instance>  
       </routing-instances>  
     </configuration>

**Description** Configure port mirroring of traffic.

**Contents** <family>—Address family of packets to mirror.  
               <input>—Settings for sampling of input packets.  
               <instance>—Instance of port-mirroring parameters.  
               <mirror-once>—Sample the packet for port mirroring only once.  
               <traceoptions>—Port-mirroring trace options.

## **<ports> (configuration/system)**

---

**Usage** <configuration>  
           <system>  
           **<ports>**  
             <console>...</console>  
             <auxiliary>...</auxiliary>  
           **</ports>**  
         </system>  
     </configuration>

**Description** Craft interface RS-232 ports.

**Contents** <auxiliary>—Auxiliary port.  
               <console>—Console port.

## **<ppm> (configuration/logical-systems/routing-instances/instance/routing-options)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <routing-options>  
           **<ppm>**  
           <delegate-processing/>  
           **</ppm>**  
           </routing-options>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Set periodic packet management properties.

**Contents**    <delegate-processing>—Enable distribution of PPM sessions.

## **<ppm> (configuration/logical-systems/routing-options)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-options>  
           **<ppm>**  
           <delegate-processing/>  
           **</ppm>**  
           </routing-options>  
           </logical-systems>  
           </configuration>

**Description**   Set periodic packet management properties.

**Contents**    <delegate-processing>—Enable distribution of PPM sessions.

**<ppm> (configuration/routing-instances/instance/routing-options)**

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <routing-options>  
                 **<ppm>**  
                   <delegate-processing/>  
                 **</ppm>**  
               </routing-options>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** Set periodic packet management properties.

**Contents** <delegate-processing>—Enable distribution of PPM sessions.

**<ppm> (configuration/routing-options)**

---

**Usage** <configuration>  
           <routing-options>  
             **<ppm>**  
               <delegate-processing/>  
             **</ppm>**  
           </routing-options>  
         </configuration>

**Description** Set periodic packet management properties.

**Contents** <delegate-processing>—Enable distribution of PPM sessions.

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

---

**Usage** <configuration>  
           <access>  
             <group-profile>  
               **<ppp>**  
                 <framed-pool>*framed-pool*</framed-pool>  
                 <idle-timeout>*seconds*</idle-timeout>  
                 <keepalive>*seconds*</keepalive>  
                 <primary-dns>*primary-dns*</primary-dns>  
                 <secondary-dns>*secondary-dns*</secondary-dns>  
                 <primary-wins>*primary-wins*</primary-wins>  
                 <secondary-wins>*secondary-wins*</secondary-wins>  
                 <encapsulation-overhead>*encapsulation-overhead*</encapsulation-overhead>  
                 <cell-overhead/>  
                 <interface-id>*interface-id*</interface-id>  
               **</ppp>**  
             </group-profile>  
           </access>  
         </configuration>

**Description** Configuration for Point-to-Point Protocol.

**Contents** <cell-overhead>—ATM cell overhead for Class of Service calculation.

<encapsulation-overhead>—Encapsulation overhead for Class of Service calculation.

<framed-pool>—Address pool used to assign an address for the user.

<idle-timeout>—Idle timeout before termination of session.

<interface-id>—Interface identifier to look up session information.

<keepalive>—PPP keepalive interval.

<primary-dns>—Primary DNS server name.

<primary-wins>—Primary wins server name.

<secondary-dns>—Secondary DNS server name.

<secondary-wins>—Secondary wins server name.

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

---

**Usage** <configuration>  
           <access>  
             <profile>  
               <client>  
                 **<ppp>**  
                   <framed-pool>*framed-pool*</framed-pool>  
                   <idle-timeout>*seconds*</idle-timeout>  
                   <keepalive>*seconds*</keepalive>  
                   <primary-dns>*primary-dns*</primary-dns>  
                   <secondary-dns>*secondary-dns*</secondary-dns>  
                   <primary-wins>*primary-wins*</primary-wins>  
                   <secondary-wins>*secondary-wins*</secondary-wins>  
                   <encapsulation-overhead>*encapsulation-overhead*  
                     </encapsulation-overhead>  
                   <cell-overhead/>  
                   <interface-id>*interface-id*</interface-id>  
                   <framed-ip-address>*framed-ip-address*</framed-ip-address>  
                 **</ppp>**  
               </client>  
             </profile>  
           </access>  
         </configuration>

**Description** Configuration for Point-to-Point Protocol.

**Contents** <cell-overhead>—ATM cell overhead for Class of Service calculation.

<encapsulation-overhead>—Encapsulation overhead for Class of Service calculation.

<framed-ip-address>—Address to be configured for the user.

<framed-pool>—Address pool used to assign an address for the user.

<idle-timeout>—Idle timeout before termination of session.

<interface-id>—Interface identifier to look up session information.

<keepalive>—PPP keepalive interval.

<primary-dns>—Primary DNS server name.

<primary-wins>—Primary wins server name.

<secondary-dns>—Secondary DNS server name.

<secondary-wins>—Secondary wins server name.

## <ppp> (configuration/logical-systems/protocols)

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;protocols&gt;       &lt;ppp&gt;         &lt;traceoptions&gt;...&lt;/traceoptions&gt;         &lt;monitor-session&gt;...&lt;/monitor-session&gt;       &lt;/ppp&gt;     &lt;/protocols&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Configure PPP process.
<b>Contents</b>	<p>&lt;monitor-session&gt;—Monitor packet exchange for PPP session.</p> <p>&lt;traceoptions&gt;—PPP trace options.</p>

## <ppp> (configuration/protocols)

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;protocols&gt;     &lt;ppp&gt;       &lt;traceoptions&gt;...&lt;/traceoptions&gt;       &lt;monitor-session&gt;...&lt;/monitor-session&gt;     &lt;/ppp&gt;   &lt;/protocols&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Configure PPP process.
<b>Contents</b>	<p>&lt;monitor-session&gt;—Monitor packet exchange for PPP session.</p> <p>&lt;traceoptions&gt;—PPP trace options.</p>



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

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               <apn>  
                 <l2tp>  
                   **<ppp>**  
                     <retry-timeout>*seconds*</retry-timeout>  
                     <max-retry>*max-retry*</max-retry>  
                     <mru>*mru*</mru>  
                     <user-name>*user-name*</user-name>  
                     <user-password>*user-password*</user-password>  
                   **</ppp>**  
                 </l2tp>  
               </apn>  
             </ggsn>  
           </services>  
         </configuration>

**Description** Point-to-point protocol settings.

**Contents** <max-retry>—Maximum number of retry attempts during PPP negotiation.

<mru>—Maximum value for negotiable receive unit.

<retry-timeout>—Timeout for a response during PPP negotiation.

<user-name>—Default user name for user authentication.

<user-password>—Default user password for user authentication.

## <ppp-options> (configuration/dynamic-profiles/interfaces/interface)

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
             <ppp-options>  
               <chap>...</chap>  
               <pap>...</pap>  
               <compression>...</compression>  
               <lcp-restart-timer>*milliseconds*</lcp-restart-timer>  
               <ncp-restart-timer>*milliseconds*</ncp-restart-timer>  
               <no-termination-request/>  
               <loopback-clear-timer>*seconds*</loopback-clear-timer>  
             </ppp-options>  
           </interface>  
         </interfaces>  
       </dynamic-profiles>  
     </configuration>

**Description** Point-to-Point Protocol (PPP) interface-specific options.

**Contents** <chap>—Challenge Handshake Authentication Protocol options.

          <compression>—Set compression options.

          <lcp-restart-timer>—LCP restart timer.

          <loopback-clear-timer>—Loopback clear timer.

          <ncp-restart-timer>—NCP restart timer.

          <no-termination-request>—Don't send PPP termination requests.

          <pap>—Password Authentication Protocol options.

## **<ppp-options> (configuration/dynamic-profiles/interfaces/ interface/unit)**

---

**Usage**   <configuration>  
               <dynamic-profiles>  
               <interfaces>  
               <interface>  
               <unit>  
               **<ppp-options>**  
               <chap>...</chap>  
               <pap>...</pap>  
               <compression>...</compression>  
               <lcp-restart-timer>*milliseconds*</lcp-restart-timer>  
               <ncp-restart-timer>*milliseconds*</ncp-restart-timer>  
               <no-termination-request/>  
               <loopback-clear-timer>*seconds*</loopback-clear-timer>  
               **</ppp-options>**  
               </unit>  
               </interface>  
               </interfaces>  
               </dynamic-profiles>  
               </configuration>

**Description**   Point-to-Point Protocol interface-specific options.

**Contents**   <chap>—Challenge Handshake Authentication Protocol options.  
               <compression>—Set compression options.  
               <lcp-restart-timer>—LCP restart timer.  
               <loopback-clear-timer>—Loopback clear timer.  
               <ncp-restart-timer>—NCP restart timer.  
               <no-termination-request>—Don't send PPP termination requests.  
               <pap>—Password Authentication Protocol options.

**<ppp-options> (configuration/interfaces/interface)**

---

**Usage**   <configuration>  
           <interfaces>  
           <interface>  
             **<ppp-options>**  
               <chap>...</chap>  
               <pap>...</pap>  
               <compression>...</compression>  
               <lcp-restart-timer>*milliseconds*</lcp-restart-timer>  
               <ncp-restart-timer>*milliseconds*</ncp-restart-timer>  
               <no-termination-request/>  
               <loopback-clear-timer>*seconds*</loopback-clear-timer>  
             **</ppp-options>**  
           </interface>  
         </interfaces>  
       </configuration>

**Description**   Point-to-Point Protocol (PPP) interface-specific options.

**Contents**   <chap>—Challenge Handshake Authentication Protocol options.  
               <compression>—Set compression options.  
               <lcp-restart-timer>—LCP restart timer.  
               <loopback-clear-timer>—Loopback clear timer.  
               <ncp-restart-timer>—NCP restart timer.  
               <no-termination-request>—Don't send PPP termination requests.  
               <pap>—Password Authentication Protocol options.

**<ppp-options> (configuration/interfaces/interface/unit)**

---

**Usage**   <configuration>  
           <interfaces>  
           <interface>  
           <unit>  
             **<ppp-options>**  
             <chap>...</chap>  
             <pap>...</pap>  
             <compression>...</compression>  
             <lcp-restart-timer>*milliseconds*</lcp-restart-timer>  
             <ncp-restart-timer>*milliseconds*</ncp-restart-timer>  
             <no-termination-request/>  
             <loopback-clear-timer>*seconds*</loopback-clear-timer>  
             **</ppp-options>**  
           </unit>  
         </interface>  
       </interfaces>  
     </configuration>

**Description**   Point-to-Point Protocol interface-specific options.

**Contents**   <chap>—Challenge Handshake Authentication Protocol options.

          <compression>—Set compression options.

          <lcp-restart-timer>—LCP restart timer.

          <loopback-clear-timer>—Loopback clear timer.

          <ncp-restart-timer>—NCP restart timer.

          <no-termination-request>—Don't send PPP termination requests.

          <pap>—Password Authentication Protocol options.

## **<ppp-options> (configuration/logical-systems/interfaces/interface/unit)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <interfaces>
      <interface>
        <unit>
          <ppp-options>
            <chap>...</chap>
            <pap>...</pap>
            <compression>...</compression>
            <lcp-restart-timer>milliseconds</lcp-restart-timer>
            <ncp-restart-timer>milliseconds</ncp-restart-timer>
            <no-termination-request/>
            <loopback-clear-timer>seconds</loopback-clear-timer>
          </ppp-options>
        </unit>
      </interface>
    </interfaces>
  </logical-systems>
</configuration>

```

**Description** Point-to-Point Protocol interface-specific options.

**Contents** <chap>—Challenge Handshake Authentication Protocol options.

<compression>—Set compression options.

<lcp-restart-timer>—LCP restart timer.

<loopback-clear-timer>—Loopback clear timer.

<ncp-restart-timer>—NCP restart timer.

<no-termination-request>—Don't send PPP termination requests.

<pap>—Password Authentication Protocol options.

## <pppoe-options> (configuration/dynamic-profiles/interfaces/ interface/unit)

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <unit>  
           **<pppoe-options>**  
             <underlying-interface>*underlying-interface*  
             </underlying-interface>   <!-- mandatory -->  
             <idle-timeout>*seconds*</idle-timeout>  
             <access-concentrator>*access-concentrator*</access-concentrator>  
             <service-name>*service-name*</service-name>  
             <auto-reconnect>*seconds*</auto-reconnect>  
             <server/>  
             <client/>  
           **</pppoe-options>**  
           </unit>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description** PPP over Ethernet interface-specific options.

**Contents** <access-concentrator>—Name of the access concentrator (PPPoE server).  
           <auto-reconnect>—Time to reconnect after session terminates (0 = never).  
           <client>—PPPoE operates in client mode.  
           <idle-timeout>—Time for which session can be idle (0 = forever).  
           <server>—PPPoE operates in server mode.  
           <service-name>—Service to be requested (from PPPoE server).  
           <underlying-interface>—Underlying interface name.

**<pppoe-options> (configuration/interfaces/interface/unit)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <unit>  
                 **<pppoe-options>**  
                   <underlying-interface>*underlying-interface*  
                     </underlying-interface>   <!-- mandatory -->  
                   <idle-timeout>*seconds*</idle-timeout>  
                   <access-concentrator>*access-concentrator*</access-concentrator>  
                   <service-name>*service-name*</service-name>  
                   <auto-reconnect>*seconds*</auto-reconnect>  
                   <server/>  
                   <client/>  
                 **</pppoe-options>**  
               </unit>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** PPP over Ethernet interface-specific options.

**Contents** <access-concentrator>—Name of the access concentrator (PPPoE server).  
           <auto-reconnect>—Time to reconnect after session terminates (0 = never).  
           <client>—PPPoE operates in client mode.  
           <idle-timeout>—Time for which session can be idle (0 = forever).  
           <server>—PPPoE operates in server mode.  
           <service-name>—Service to be requested (from PPPoE server).  
           <underlying-interface>—Underlying interface name.



## <pppoe-options> (configuration/logical-systems/interfaces/ interface/unit)

---

**Usage** <configuration>  
           <logical-systems>  
           <interfaces>  
           <interface>  
           <unit>  
           **<pppoe-options>**  
             <underlying-interface>*underlying-interface*  
               </underlying-interface>   <!-- mandatory -->  
             <idle-timeout>*seconds*</idle-timeout>  
             <access-concentrator>*access-concentrator*</access-concentrator>  
             <service-name>*service-name*</service-name>  
             <auto-reconnect>*seconds*</auto-reconnect>  
             <server/>  
             <client/>  
           **</pppoe-options>**  
           </unit>  
           </interface>  
           </interfaces>  
           </logical-systems>  
           </configuration>

**Description** PPP over Ethernet interface-specific options.

**Contents** <access-concentrator>—Name of the access concentrator (PPPoE server).  
           <auto-reconnect>—Time to reconnect after session terminates (0 = never).  
           <client>—PPPoE operates in client mode.  
           <idle-timeout>—Time for which session can be idle (0 = forever).  
           <server>—PPPoE operates in server mode.  
           <service-name>—Service to be requested (from PPPoE server).  
           <underlying-interface>—Underlying interface name.

**<pre-shared-key> (configuration/access/profile/client/ike)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;access&gt;     &lt;profile&gt;       &lt;client&gt;         &lt;ike&gt;           &lt;pre-shared-key&gt;             &lt;ascii-text&gt;ascii-text&lt;/ascii-text&gt;             &lt;hexadecimal&gt;hexadecimal&lt;/hexadecimal&gt;           &lt;/pre-shared-key&gt;         &lt;/ike&gt;       &lt;/client&gt;     &lt;/profile&gt;   &lt;/access&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Define pre-shared key.
<b>Contents</b>	<p>&lt;ascii-text&gt;—Format as text.</p> <p>&lt;hexadecimal&gt;—Format as hexadecimal.</p>

**<pre-shared-key> (configuration/security/ike/policy)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;security&gt;     &lt;ike&gt;       &lt;policy&gt;         &lt;pre-shared-key&gt;           &lt;ascii-text&gt;ascii-text&lt;/ascii-text&gt;           &lt;hexadecimal&gt;hexadecimal&lt;/hexadecimal&gt;         &lt;/pre-shared-key&gt;       &lt;/policy&gt;     &lt;/ike&gt;   &lt;/security&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Define a preshared key.
<b>Contents</b>	<p>&lt;ascii-text&gt;—Format as text.</p> <p>&lt;hexadecimal&gt;—Format as hexadecimal.</p>

**<pre-shared-key> (configuration/services/ipsec-vpn/ike/policy)**

---

**Usage**   <configuration>  
           <services>  
           <ipsec-vpn>  
           <ike>  
           <policy>  
             **<pre-shared-key>**  
               <ascii-text>*ascii-text*</ascii-text>  
               <hexadecimal>*hexadecimal*</hexadecimal>  
             **</pre-shared-key>**  
           </policy>  
         </ike>  
       </ipsec-vpn>  
     </services>  
 </configuration>

**Description**   Define a preshared key.

**Contents**   <ascii-text>—Format as text.  
               <hexadecimal>—Format as hexadecimal.

## <precedence> (configuration/firewall/family/ethernet-switching/filter/term/from)

---

**Usage** <configuration>  
 <firewall>  
 <family>  
 <ethernet-switching>  
 <filter>  
 <term>  
 <from>  
 <precedence>  
 <name>name</name> <!-- identifier -->  
 </precedence>  
 </from>  
 </term>  
 </filter>  
 </ethernet-switching>  
 </family>  
 </firewall>  
 </configuration>

**Description** Match IP precedence value.

**Contents** <name>—No documentation is available yet.

- critical-ecp—Critical/ECP.
- flash—Flash.
- flash-override—Flash override.
- immediate—Immediate.
- internet-control—Internet control.
- net-control—Network control.
- priority—Priority.
- range—Range of values.
- routine—Routine.

**<precedence> (configuration/firewall/family/inet/filter/term/ from)**

---

**Usage**   <configuration>  
          <firewall>  
          <family>  
          <inet>  
          <filter>  
          <term>  
          <from>  
              <precedence>  
              <name>name</name>   <!-- identifier -->  
              </precedence>  
          </from>  
          </term>  
          </filter>  
          </inet>  
          </family>  
          </firewall>  
          </configuration>

**Description**   Match IP precedence value.

**Contents**   <name>—No documentation is available yet.

- critical-ecp—Critical/ECP.
- flash—Flash.
- flash-override—Flash override.
- immediate—Immediate.
- internet-control—Internet control.
- net-control—Network control.
- priority—Priority.
- range—Range of values.
- routine—Routine.

**<precedence> (configuration/firewall/filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
             <filter>  
               <term>  
                 <from>  
                   <precedence>  
                     <name>*name*</name>   <!-- identifier -->  
                   </precedence>  
                 </from>  
               </term>  
             </filter>  
           </firewall>  
         </configuration>

**Description** Match IP precedence value.

**Contents** <name>—No documentation is available yet.

- critical-ecp—Critical/ECP.
- flash—Flash.
- flash-override—Flash override.
- immediate—Immediate.
- internet-control—Internet control.
- net-control—Network control.
- priority—Priority.
- range—Range of values.
- routine—Routine.

## **<precedence> (configuration/logical-systems/firewall/family/ethernet-switching/filter/term/from)**

---

**Usage** <configuration>  
           <logical-systems>  
           <firewall>  
           <family>  
           <ethernet-switching>  
           <filter>  
           <term>  
           <from>  
               **<precedence>**  
                   <name>name</name>   <!-- identifier -->  
               **</precedence>**  
           </from>  
           </term>  
           </filter>  
           </ethernet-switching>  
           </family>  
           </firewall>  
           </logical-systems>  
           </configuration>

**Description** Match IP precedence value.

**Contents** <name>—No documentation is available yet.

- critical-ecp—Critical/ECP.
- flash—Flash.
- flash-override—Flash override.
- immediate—Immediate.
- internet-control—Internet control.
- net-control—Network control.
- priority—Priority.
- range—Range of values.
- routine—Routine.

## **<precedence> (configuration/logical-systems/firewall/family/inet/filter/term/from)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <inet>
          <filter>
            <term>
              <from>
                <precedence>
                  <name>name</name>    <!-- identifier -->
                </precedence>
              </from>
            </term>
          </filter>
        </inet>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Match IP precedence value.

**Contents** <name>—No documentation is available yet.

- critical-ecp—Critical/ECP.
- flash—Flash.
- flash-override—Flash override.
- immediate—Immediate.
- internet-control—Internet control.
- net-control—Network control.
- priority—Priority.
- range—Range of values.
- routine—Routine.



## **<precedence> (configuration/logical-systems/firewall/filter/term/from)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <firewall>  
           <filter>  
           <term>  
           <from>  
               **<precedence>**  
                   <name>*name*</name>   <!-- identifier -->  
               **</precedence>**  
           </from>  
           </term>  
           </filter>  
           </firewall>  
           </logical-systems>  
         </configuration>

**Description**   Match IP precedence value.

**Contents**   <name>—No documentation is available yet.

- critical-ecp—Critical/ECP.
- flash—Flash.
- flash-override—Flash override.
- immediate—Immediate.
- internet-control—Internet control.
- net-control—Network control.
- priority—Priority.
- range—Range of values.
- routine—Routine.

## <precedence-except> (configuration/firewall/family/ethernet-switching/filter/term/from)

---

**Usage**

```

<configuration>
  <firewall>
    <family>
      <ethernet-switching>
        <filter>
          <term>
            <from>
              <precedence-except>
                <name>name</name>    <!-- identifier -->
              </precedence-except>
            </from>
          </term>
        </filter>
      </ethernet-switching>
    </family>
  </firewall>
</configuration>

```

**Description** Do not match IP precedence value.

**Contents** <name>—No documentation is available yet.

- critical-ecp—Critical/ECP.
- flash—Flash.
- flash-override—Flash override.
- immediate—Immediate.
- internet-control—Internet control.
- net-control—Network control.
- priority—Priority.
- range—Range of values.
- routine—Routine.

**<precedence-except> (configuration/firewall/family/inet/filter/term/from)**

---

```
Usage  <configuration>
      <firewall>
      <family>
      <inet>
      <filter>
      <term>
      <from>
      <precedence-except>
      <name>name</name>  <!-- identifier -->
      </precedence-except>
      </from>
      </term>
      </filter>
      </inet>
      </family>
      </firewall>
      </configuration>
```

**Description** Do not match IP precedence value.

**Contents** <name>—No documentation is available yet.

- critical-ecp—Critical/ECP.
- flash—Flash.
- flash-override—Flash override.
- immediate—Immediate.
- internet-control—Internet control.
- net-control—Network control.
- priority—Priority.
- range—Range of values.
- routine—Routine.

**<precedence-except> (configuration/firewall/filter/term/from)**

---

**Usage**   <configuration>  
           <firewall>  
           <filter>  
           <term>  
           <from>  
               **<precedence-except>**  
                   <name>*name*</name>   <!-- identifier -->  
               **</precedence-except>**  
           </from>  
         </term>  
       </filter>  
   </firewall>  
</configuration>

**Description**   Do not match IP precedence value.

**Contents**   <name>—No documentation is available yet.

- critical-ecp—Critical/ECP.
- flash—Flash.
- flash-override—Flash override.
- immediate—Immediate.
- internet-control—Internet control.
- net-control—Network control.
- priority—Priority.
- range—Range of values.
- routine—Routine.

## **<precedence-except> (configuration/logical-systems/firewall/family/ethernet-switching/filter/term/from)**

---

**Usage** <configuration>  
     <logical-systems>  
         <firewall>  
             <family>  
                 <ethernet-switching>  
                     <filter>  
                         <term>  
                             <from>  
                                 **<precedence-except>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</precedence-except>**  
                             </from>  
                         </term>  
                     </filter>  
                 </ethernet-switching>  
             </family>  
         </firewall>  
     </logical-systems>  
 </configuration>

**Description** Do not match IP precedence value.

**Contents** <name>—No documentation is available yet.

- critical-ecp—Critical/ECP.
- flash—Flash.
- flash-override—Flash override.
- immediate—Immediate.
- internet-control—Internet control.
- net-control—Network control.
- priority—Priority.
- range—Range of values.
- routine—Routine.

## **<precedence-except> (configuration/logical-systems/firewall/family/inet/filter/term/from)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <inet>
          <filter>
            <term>
              <from>
                <precedence-except>
                  <name>name</name>    <!-- identifier -->
                </precedence-except>
              </from>
            </term>
          </filter>
        </inet>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Do not match IP precedence value.

**Contents** <name>—No documentation is available yet.

- critical-ecp—Critical/ECP.
- flash—Flash.
- flash-override—Flash override.
- immediate—Immediate.
- internet-control—Internet control.
- net-control—Network control.
- priority—Priority.
- range—Range of values.
- routine—Routine.

## **<precedence-except> (configuration/logical-systems/firewall/filter/term/from)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <firewall>  
           <filter>  
           <term>  
           <from>  
               **<precedence-except>**  
                   <name>*name*</name>   <!-- identifier -->  
               **</precedence-except>**  
           </from>  
           </term>  
           </filter>  
           </firewall>  
           </logical-systems>  
         </configuration>

**Description**   Do not match IP precedence value.

**Contents**   <name>—No documentation is available yet.

- critical-ecp—Critical/ECP.
- flash—Flash.
- flash-override—Flash override.
- immediate—Immediate.
- internet-control—Internet control.
- net-control—Network control.
- priority—Priority.
- range—Range of values.
- routine—Routine.

## **<preempt> (configuration/dynamic-profiles/interfaces/interface/unit/family/inet/address/vrrp-group)**

---

**Usage**

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <unit>
          <family>
            <inet>
              <address>
                <vrrp-group>
                  <preempt>
                    <hold-time>seconds</hold-time>
                  </preempt>
                </vrrp-group>
              </address>
            </inet>
          </family>
        </unit>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

**Description** Allow preemption.

**Contents** <hold-time>—Preemption hold time.



## **<preempt> (configuration/dynamic-profiles/interfaces/interface/unit/family/inet6/address/vrrp-inet6-group)**

---

**Usage**

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <unit>
          <family>
            <inet6>
              <address>
                <vrrp-inet6-group>
                  <preempt>
                    <hold-time>seconds</hold-time>
                  </preempt>
                </vrrp-inet6-group>
              </address>
            </inet6>
          </family>
        </unit>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

**Description** Allow preemption.

**Contents** <hold-time>—Preemption hold time.

## **<preempt> (configuration/interfaces/interface/unit/family/inet/address/vrrp-group)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <unit>  
                 <family>  
                   <inet>  
                     <address>  
                       <vrrp-group>  
                         **<preempt>**  
                           <hold-time>seconds</hold-time>  
                         **</preempt>**  
                       </vrrp-group>  
                     </address>  
                   </inet>  
                 </family>  
               </unit>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** Allow preemption.

**Contents** <hold-time>—Preemption hold time.

## **<preempt> (configuration/interfaces/interface/unit/family/inet6/address/vrrp-inet6-group)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <unit>  
                 <family>  
                   <inet6>  
                     <address>  
                       <vrrp-inet6-group>  
                         **<preempt>**  
                           <hold-time>seconds</hold-time>  
                         **</preempt>**  
                       </vrrp-inet6-group>  
                     </address>  
                   </inet6>  
                 </family>  
               </unit>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** Allow preemption.

**Contents** <hold-time>—Preemption hold time.

## **<preempt> (configuration/logical-systems/interfaces/interface/unit/family/inet/address/vrrp-group)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <interfaces>
      <interface>
        <unit>
          <family>
            <inet>
              <address>
                <vrrp-group>
                  <preempt>
                    <hold-time>seconds</hold-time>
                  </preempt>
                </vrrp-group>
              </address>
            </inet>
          </family>
        </unit>
      </interface>
    </interfaces>
  </logical-systems>
</configuration>

```

**Description** Allow preemption.

**Contents** <hold-time>—Preemption hold time.

**<preempt> (configuration/logical-systems/interfaces/interface/unit/family/inet6/address/vrrp-inet6-group)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <interfaces>  
          <interface>  
          <unit>  
          <family>  
          <inet6>  
          <address>  
          <vrrp-inet6-group>  
          **<preempt>**  
          <hold-time>*seconds*</hold-time>  
          **</preempt>**  
          </vrrp-inet6-group>  
          </address>  
          </inet6>  
          </family>  
          </unit>  
          </interface>  
          </interfaces>  
          </logical-systems>  
          </configuration>

**Description**   Allow preemption.

**Contents**    <hold-time>—Preemption hold time.

**<preemption> (configuration/logical-systems/protocols/rsvp)**

---

- Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <rsvp>  
                 **<preemption>**  
                   <disabled/>  
                   <normal/>  
                   <aggressive/>  
                   <soft-preemption>...</soft-preemption>  
                 **</preemption>**  
               </rsvp>  
             </protocols>  
           </logical-systems>  
         </configuration>
- Description** Set RSVP session preemption attributes.
- Contents** <aggressive>—Run RSVP session preemption whenever necessary.
- <disabled>—No RSVP session preemption.
- <normal>—Run RSVP session preemption to accommodate new sessions.
- <soft-preemption>—Options for establishing new path before tearing down a preempted LSP.

**<preemption> (configuration/protocols/rsvp)**

---

- Usage** <configuration>  
           <protocols>  
             <rsvp>  
               **<preemption>**  
                 <disabled/>  
                 <normal/>  
                 <aggressive/>  
                 <soft-preemption>...</soft-preemption>  
               **</preemption>**  
             </rsvp>  
           </protocols>  
         </configuration>
- Description** Set RSVP session preemption attributes.
- Contents** <aggressive>—Run RSVP session preemption whenever necessary.
- <disabled>—No RSVP session preemption.
- <normal>—Run RSVP session preemption to accommodate new sessions.
- <soft-preemption>—Options for establishing new path before tearing down a preempted LSP.

## **<preference> (configuration/logical-systems/policy-options/ policy-statement/from/prefix-list-filter)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <policy-options>  
          <policy-statement>  
          <from>  
          <prefix-list-filter>  
          **<preference>**  
          <preference>preference</preference>  
          <add>add</add>  
          <subtract>subtract</subtract>  
          **</preference>**  
          </prefix-list-filter>  
          </from>  
          </policy-statement>  
          </policy-options>  
          </logical-systems>  
          </configuration>

**Description**   Preference value.

**Contents**   <add>—Add constant to attribute.  
  
              <preference>—No documentation is available yet.  
  
              <subtract>—Subtract constant from attribute.

**<preference> (configuration/logical-systems/policy-options/  
policy-statement/from/route-filter)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <policy-options>  
          <policy-statement>  
          <from>  
          <route-filter>  
          **<preference>**  
          <preference>preference</preference>  
          <add>add</add>  
          <subtract>subtract</subtract>  
          **</preference>**  
          </route-filter>  
          </from>  
          </policy-statement>  
          </policy-options>  
          </logical-systems>  
          </configuration>

**Description**   Preference value.

**Contents**   <add>—Add constant to attribute.  
  
              <preference>—No documentation is available yet.  
  
              <subtract>—Subtract constant from attribute.

## **<preference> (configuration/logical-systems/policy-options/ policy-statement/from/source-address-filter)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <policy-options>  
          <policy-statement>  
          <from>  
          <source-address-filter>  
          **<preference>**  
          <preference>preference</preference>  
          <add>add</add>  
          <subtract>subtract</subtract>  
          **</preference>**  
          </source-address-filter>  
          </from>  
          </policy-statement>  
          </policy-options>  
          </logical-systems>  
          </configuration>

**Description**   Preference value.

**Contents**   <add>—Add constant to attribute.  
  
              <preference>—No documentation is available yet.  
  
              <subtract>—Subtract constant from attribute.



**<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>  
          **<preference>**  
          <preference>*preference*</preference>  
          <add>*add*</add>  
          <subtract>*subtract*</subtract>  
          **</preference>**  
          </prefix-list-filter>  
          </from>  
          </term>  
          </policy-statement>  
          </policy-options>  
          </logical-systems>  
          </configuration>

**Description**   Preference value.

**Contents**   <add>—Add constant to attribute.

              <preference>—No documentation is available yet.

              <subtract>—Subtract constant from attribute.

**<preference> (configuration/logical-systems/policy-options/  
policy-statement/term/from/route-filter)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <policy-options>  
          <policy-statement>  
          <term>  
          <from>  
          <route-filter>  
          **<preference>**  
          <preference>*preference*</preference>  
          <add>*add*</add>  
          <subtract>*subtract*</subtract>  
          **</preference>**  
          </route-filter>  
          </from>  
          </term>  
          </policy-statement>  
          </policy-options>  
          </logical-systems>  
          </configuration>

**Description**   Preference value.

**Contents**   <add>—Add constant to attribute.  
  
              <preference>—No documentation is available yet.  
  
              <subtract>—Subtract constant from attribute.

**<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>  
          **<preference>**  
          <preference>*preference*</preference>  
          <add>*add*</add>  
          <subtract>*subtract*</subtract>  
          **</preference>**  
          </source-address-filter>  
          </from>  
          </term>  
          </policy-statement>  
          </policy-options>  
          </logical-systems>  
          </configuration>

**Description**   Preference value.

**Contents**   <add>—Add constant to attribute.

              <preference>—No documentation is available yet.

              <subtract>—Subtract constant from attribute.

## **<preference> (configuration/logical-systems/policy-options/ policy-statement/term/then)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <policy-options>  
          <policy-statement>  
          <term>  
          <then>  
            **<preference>**  
              <preference>preference</preference>  
              <add>add</add>  
              <subtract>subtract</subtract>  
            **</preference>**  
          </then>  
          </term>  
          </policy-statement>  
          </policy-options>  
          </logical-systems>  
          </configuration>

**Description**   Preference value.

**Contents**   <add>—Add constant to attribute.  
  
              <preference>—No documentation is available yet.  
  
              <subtract>—Subtract constant from attribute.

## **<preference> (configuration/logical-systems/policy-options/ policy-statement/then)**

---

**Usage**   <configuration>  
               <logical-systems>  
                   <policy-options>  
                     <policy-statement>  
                       <then>  
                         **<preference>**  
                           <preference>*preference*</preference>  
                           <add>*add*</add>  
                           <subtract>*subtract*</subtract>  
                         **</preference>**  
                       </then>  
                     </policy-statement>  
                   </policy-options>  
               </logical-systems>  
           </configuration>

**Description**   Preference value.

**Contents**   <add>—Add constant to attribute.

              <preference>—No documentation is available yet.

              <subtract>—Subtract constant from attribute.

**<preference> (configuration/logical-systems/routing-instances/instance/routing-options/aggregate/defaults)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-instances&gt;       &lt;instance&gt;         &lt;routing-options&gt;           &lt;aggregate&gt;             &lt;defaults&gt;               &lt;preference&gt;                 &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;                 &lt;type&gt;type&lt;/type&gt;               &lt;/preference&gt;             &lt;/defaults&gt;           &lt;/aggregate&gt;         &lt;/routing-options&gt;       &lt;/instance&gt;     &lt;/routing-instances&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference> (configuration/logical-systems/routing-instances/  
instance/routing-options/aggregate/route)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-instances&gt;       &lt;instance&gt;         &lt;routing-options&gt;           &lt;aggregate&gt;             &lt;route&gt;               &lt;preference&gt;                 &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;                 &lt;type&gt;type&lt;/type&gt;               &lt;/preference&gt;             &lt;/route&gt;           &lt;/aggregate&gt;         &lt;/routing-options&gt;       &lt;/instance&gt;     &lt;/routing-instances&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference> (configuration/logical-systems/routing-instances/instance/routing-options/generate/defaults)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-instances&gt;       &lt;instance&gt;         &lt;routing-options&gt;           &lt;generate&gt;             &lt;defaults&gt;               &lt;preference&gt;                 &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;                 &lt;type&gt;type&lt;/type&gt;               &lt;/preference&gt;             &lt;/defaults&gt;           &lt;/generate&gt;         &lt;/routing-options&gt;       &lt;/instance&gt;     &lt;/routing-instances&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>



**<preference> (configuration/logical-systems/routing-instances/instance/routing-options/generate/route)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-instances&gt;       &lt;instance&gt;         &lt;routing-options&gt;           &lt;generate&gt;             &lt;route&gt;               &lt;preference&gt;                 &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;                 &lt;type&gt;type&lt;/type&gt;               &lt;/preference&gt;             &lt;/route&gt;           &lt;/generate&gt;         &lt;/routing-options&gt;       &lt;/instance&gt;     &lt;/routing-instances&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference> (configuration/logical-systems/routing-instances/  
instance/routing-options/rib/aggregate/defaults)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
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          <rib>  
          <aggregate>  
          <defaults>  
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            **</preference>**  
          </defaults>  
          </aggregate>  
          </rib>  
          </routing-options>  
          </instance>  
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          </configuration>

**Description**   Preference value.

**Contents**   <metric-value>—Metric value.

              <type>—Metric type.

**<preference> (configuration/logical-systems/routing-instances/instance/routing-options/rib/aggregate/route)**

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**Usage**   <configuration>  
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          <rib>  
          <aggregate>  
          <route>  
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              <type>*type*</type>  
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          </rib>  
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**Description**   Preference value.

**Contents**   <metric-value>—Metric value.  
  
              <type>—Metric type.

**<preference> (configuration/logical-systems/routing-instances/instance/routing-options/rib/generate/defaults)**

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**Usage**   <configuration>  
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**Description**   Preference value.

**Contents**   <metric-value>—Metric value.

          <type>—Metric type.

**<preference> (configuration/logical-systems/routing-instances/  
instance/routing-options/rib/generate/route)**

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**Usage**   <configuration>  
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**Description**   Preference value.

**Contents**   <metric-value>—Metric value.  
  
              <type>—Metric type.

**<preference> (configuration/logical-systems/routing-instances/  
instance/routing-options/rib/static/defaults)**

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**Usage**   <configuration>  
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          <instance>  
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          <static>  
          <defaults>  
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          </static>  
          </rib>  
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**Description**   Preference value.

**Contents**   <metric-value>—Metric value.

              <type>—Metric type.

**<preference> (configuration/logical-systems/routing-instances/  
instance/routing-options/rib/static/iso-route)**

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**Usage**   <configuration>  
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          <routing-instances>  
          <instance>  
          <routing-options>  
          <rib>  
          <static>  
          <iso-route>  
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          <type>*type*</type>  
          **</preference>**  
          </iso-route>  
          </static>  
          </rib>  
          </routing-options>  
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          </logical-systems>  
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**Description**   Preference value.

**Contents**   <metric-value>—Metric value.  
  
              <type>—Metric type.

**<preference> (configuration/logical-systems/routing-instances/instance/routing-options/rib/static/route)**

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**Usage**   <configuration>  
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          <instance>  
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          <static>  
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          </static>  
          </rib>  
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          </configuration>

**Description**   Preference value.

**Contents**   <metric-value>—Metric value.

          <type>—Metric type.



**<preference> (configuration/logical-systems/routing-instances/instance/routing-options/static/defaults)**

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<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-instances&gt;       &lt;instance&gt;         &lt;routing-options&gt;           &lt;static&gt;             &lt;defaults&gt;               &lt;preference&gt;                 &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;                 &lt;type&gt;type&lt;/type&gt;               &lt;/preference&gt;             &lt;/defaults&gt;           &lt;/static&gt;         &lt;/routing-options&gt;       &lt;/instance&gt;     &lt;/routing-instances&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference> (configuration/logical-systems/routing-instances/instance/routing-options/static/iso-route)**

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**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
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              <type>*type*</type>  
            **</preference>**  
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          </static>  
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**Description**   Preference value.

**Contents**   <metric-value>—Metric value.

          <type>—Metric type.

**<preference> (configuration/logical-systems/routing-instances/instance/routing-options/static/route)**

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<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-instances&gt;       &lt;instance&gt;         &lt;routing-options&gt;           &lt;static&gt;             &lt;route&gt;               &lt;preference&gt;                 &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;                 &lt;type&gt;type&lt;/type&gt;               &lt;/preference&gt;             &lt;/route&gt;           &lt;/static&gt;         &lt;/routing-options&gt;       &lt;/instance&gt;     &lt;/routing-instances&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference> (configuration/logical-systems/routing-options/aggregate/defaults)**

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<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;aggregate&gt;         &lt;defaults&gt;           &lt;preference&gt;             &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;             &lt;type&gt;type&lt;/type&gt;           &lt;/preference&gt;         &lt;/defaults&gt;       &lt;/aggregate&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference> (configuration/logical-systems/routing-options/aggregate/route)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;aggregate&gt;         &lt;route&gt;           &lt;preference&gt;             &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;             &lt;type&gt;type&lt;/type&gt;           &lt;/preference&gt;         &lt;/route&gt;       &lt;/aggregate&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<pre>&lt;metric-value&gt;—Metric value.  &lt;type&gt;—Metric type.</pre>

## **<preference> (configuration/logical-systems/routing-options/generate/defaults)**

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<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;generate&gt;         &lt;defaults&gt;           &lt;preference&gt;             &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;             &lt;type&gt;type&lt;/type&gt;           &lt;/preference&gt;         &lt;/defaults&gt;       &lt;/generate&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<pre>&lt;metric-value&gt;—Metric value.  &lt;type&gt;—Metric type.</pre>

## **<preference> (configuration/logical-systems/routing-options/generate/route)**

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<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;generate&gt;         &lt;route&gt;           &lt;preference&gt;             &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;             &lt;type&gt;type&lt;/type&gt;           &lt;/preference&gt;         &lt;/route&gt;       &lt;/generate&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference> (configuration/logical-systems/routing-options/rib/aggregate/defaults)**

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<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;rib&gt;         &lt;aggregate&gt;           &lt;defaults&gt;             &lt;preference&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference&gt;           &lt;/defaults&gt;         &lt;/aggregate&gt;       &lt;/rib&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference> (configuration/logical-systems/routing-options/rib/aggregate/route)**

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<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;rib&gt;         &lt;aggregate&gt;           &lt;route&gt;             &lt;preference&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference&gt;           &lt;/route&gt;         &lt;/aggregate&gt;       &lt;/rib&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference> (configuration/logical-systems/routing-options/rib/generate/defaults)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;rib&gt;         &lt;generate&gt;           &lt;defaults&gt;             &lt;preference&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference&gt;           &lt;/defaults&gt;         &lt;/generate&gt;       &lt;/rib&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference> (configuration/logical-systems/routing-options/rib/generate/route)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;rib&gt;         &lt;generate&gt;           &lt;route&gt;             &lt;preference&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference&gt;           &lt;/route&gt;         &lt;/generate&gt;       &lt;/rib&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference> (configuration/logical-systems/routing-options/rib/static/defaults)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;rib&gt;         &lt;static&gt;           &lt;defaults&gt;             &lt;preference&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference&gt;           &lt;/defaults&gt;         &lt;/static&gt;       &lt;/rib&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference> (configuration/logical-systems/routing-options/rib/static/iso-route)**

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<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;rib&gt;         &lt;static&gt;           &lt;iso-route&gt;             &lt;preference&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference&gt;           &lt;/iso-route&gt;         &lt;/static&gt;       &lt;/rib&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference> (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;preference&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference&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>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>



**<preference> (configuration/logical-systems/routing-options/static/defaults)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;static&gt;         &lt;defaults&gt;           &lt;preference&gt;             &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;             &lt;type&gt;type&lt;/type&gt;           &lt;/preference&gt;         &lt;/defaults&gt;       &lt;/static&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<metric-value>—Metric value.  <type>—Metric type.

**<preference> (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;preference&gt;             &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;             &lt;type&gt;type&lt;/type&gt;           &lt;/preference&gt;         &lt;/iso-route&gt;       &lt;/static&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<metric-value>—Metric value.  <type>—Metric type.

## **<preference> (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;preference&gt;             &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;             &lt;type&gt;type&lt;/type&gt;           &lt;/preference&gt;         &lt;/route&gt;       &lt;/static&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference> (configuration/policy-options/policy-statement/from/prefix-list-filter)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;policy-options&gt;     &lt;policy-statement&gt;       &lt;from&gt;         &lt;prefix-list-filter&gt;           &lt;preference&gt;             &lt;preference&gt;preference&lt;/preference&gt;             &lt;add&gt;add&lt;/add&gt;             &lt;subtract&gt;subtract&lt;/subtract&gt;           &lt;/preference&gt;         &lt;/prefix-list-filter&gt;       &lt;/from&gt;     &lt;/policy-statement&gt;   &lt;/policy-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;add&gt;—Add constant to attribute.</p> <p>&lt;preference&gt;—No documentation is available yet.</p> <p>&lt;subtract&gt;—Subtract constant from attribute.</p>

## **<preference> (configuration/policy-options/policy-statement/from/route-filter)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;policy-options&gt;     &lt;policy-statement&gt;       &lt;from&gt;         &lt;route-filter&gt;           &lt;preference&gt;             &lt;preference&gt;preference&lt;/preference&gt;             &lt;add&gt;add&lt;/add&gt;             &lt;subtract&gt;subtract&lt;/subtract&gt;           &lt;/preference&gt;         &lt;/route-filter&gt;       &lt;/from&gt;     &lt;/policy-statement&gt;   &lt;/policy-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;add&gt;—Add constant to attribute.</p> <p>&lt;preference&gt;—No documentation is available yet.</p> <p>&lt;subtract&gt;—Subtract constant from attribute.</p>

## **<preference> (configuration/policy-options/policy-statement/from/source-address-filter)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;policy-options&gt;     &lt;policy-statement&gt;       &lt;from&gt;         &lt;source-address-filter&gt;           &lt;preference&gt;             &lt;preference&gt;preference&lt;/preference&gt;             &lt;add&gt;add&lt;/add&gt;             &lt;subtract&gt;subtract&lt;/subtract&gt;           &lt;/preference&gt;         &lt;/source-address-filter&gt;       &lt;/from&gt;     &lt;/policy-statement&gt;   &lt;/policy-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;add&gt;—Add constant to attribute.</p> <p>&lt;preference&gt;—No documentation is available yet.</p> <p>&lt;subtract&gt;—Subtract constant from attribute.</p>

## **<preference> (configuration/policy-options/policy-statement/ term/from/prefix-list-filter)**

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**Usage**   <configuration>  
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          <policy-statement>  
          <term>  
          <from>  
          <prefix-list-filter>  
          **<preference>**  
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          <subtract>subtract</subtract>  
          **</preference>**  
          </prefix-list-filter>  
          </from>  
          </term>  
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          </policy-options>  
          </configuration>

**Description**   Preference value.

**Contents**   <add>—Add constant to attribute.  
  
              <preference>—No documentation is available yet.  
  
              <subtract>—Subtract constant from attribute.

**<preference> (configuration/policy-options/policy-statement/  
term/from/route-filter)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;policy-options&gt;     &lt;policy-statement&gt;       &lt;term&gt;         &lt;from&gt;           &lt;route-filter&gt;             <b>&lt;preference&gt;</b>               &lt;preference&gt;preference&lt;/preference&gt;               &lt;add&gt;add&lt;/add&gt;               &lt;subtract&gt;subtract&lt;/subtract&gt;             <b>&lt;/preference&gt;</b>           &lt;/route-filter&gt;         &lt;/from&gt;       &lt;/term&gt;     &lt;/policy-statement&gt;   &lt;/policy-options&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;add&gt;—Add constant to attribute.</p> <p>&lt;preference&gt;—No documentation is available yet.</p> <p>&lt;subtract&gt;—Subtract constant from attribute.</p>

**<preference> (configuration/policy-options/policy-statement/  
term/from/source-address-filter)**

---

**Usage** <configuration>  
    <policy-options>  
        <policy-statement>  
            <term>  
                <from>  
                    <source-address-filter>  
                        **<preference>**  
                            <preference>preference</preference>  
                            <add>add</add>  
                            <subtract>subtract</subtract>  
                        **</preference>**  
                    </source-address-filter>  
                </from>  
            </term>  
        </policy-statement>  
    </policy-options>  
</configuration>

**Description** Preference value.

**Contents** <add>—Add constant to attribute.  
  
<preference>—No documentation is available yet.  
  
<subtract>—Subtract constant from attribute.

**<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;preference&gt;             &lt;preference&gt;preference&lt;/preference&gt;             &lt;add&gt;add&lt;/add&gt;             &lt;subtract&gt;subtract&lt;/subtract&gt;           &lt;/preference&gt;         &lt;/then&gt;       &lt;/term&gt;     &lt;/policy-statement&gt;   &lt;/policy-options&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;add&gt;—Add constant to attribute.</p> <p>&lt;preference&gt;—No documentation is available yet.</p> <p>&lt;subtract&gt;—Subtract constant from attribute.</p>

**<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;preference&gt;           &lt;preference&gt;preference&lt;/preference&gt;           &lt;add&gt;add&lt;/add&gt;           &lt;subtract&gt;subtract&lt;/subtract&gt;         &lt;/preference&gt;       &lt;/then&gt;     &lt;/policy-statement&gt;   &lt;/policy-options&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;add&gt;—Add constant to attribute.</p> <p>&lt;preference&gt;—No documentation is available yet.</p> <p>&lt;subtract&gt;—Subtract constant from attribute.</p>

## **<preference> (configuration/routing-instances/instance/routing-options/aggregate/defaults)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;routing-options&gt;         &lt;aggregate&gt;           &lt;defaults&gt;             &lt;preference&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference&gt;           &lt;/defaults&gt;         &lt;/aggregate&gt;       &lt;/routing-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference> (configuration/routing-instances/instance/routing-options/aggregate/route)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;routing-options&gt;         &lt;aggregate&gt;           &lt;route&gt;             &lt;preference&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference&gt;           &lt;/route&gt;         &lt;/aggregate&gt;       &lt;/routing-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>



**<preference> (configuration/routing-instances/instance/  
routing-options/generate/defaults)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;routing-options&gt;         &lt;generate&gt;           &lt;defaults&gt;             &lt;preference&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference&gt;           &lt;/defaults&gt;         &lt;/generate&gt;       &lt;/routing-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<pre>&lt;metric-value&gt;—Metric value.  &lt;type&gt;—Metric type.</pre>

**<preference> (configuration/routing-instances/instance/  
routing-options/generate/route)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;routing-options&gt;         &lt;generate&gt;           &lt;route&gt;             &lt;preference&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference&gt;           &lt;/route&gt;         &lt;/generate&gt;       &lt;/routing-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<pre>&lt;metric-value&gt;—Metric value.  &lt;type&gt;—Metric type.</pre>

**<preference> (configuration/routing-instances/instance/  
routing-options/rib/aggregate/defaults)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <rib>  
          <aggregate>  
          <defaults>  
            **<preference>**  
              <metric-value>*metric-value*</metric-value>   <!-- mandatory -->  
              <type>*type*</type>  
            **</preference>**  
          </defaults>  
          </aggregate>  
          </rib>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Preference value.

**Contents**   <metric-value>—Metric value.

              <type>—Metric type.

**<preference> (configuration/routing-instances/instance/  
routing-options/rib/aggregate/route)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;routing-options&gt;         &lt;rib&gt;           &lt;aggregate&gt;             &lt;route&gt;               <b>&lt;preference&gt;</b>                 &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;                 &lt;type&gt;type&lt;/type&gt;               <b>&lt;/preference&gt;</b>             &lt;/route&gt;           &lt;/aggregate&gt;         &lt;/rib&gt;       &lt;/routing-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference> (configuration/routing-instances/instance/  
routing-options/rib/generate/defaults)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;routing-options&gt;         &lt;rib&gt;           &lt;generate&gt;             &lt;defaults&gt;               &lt;preference&gt;                 &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;                 &lt;type&gt;type&lt;/type&gt;               &lt;/preference&gt;             &lt;/defaults&gt;           &lt;/generate&gt;         &lt;/rib&gt;       &lt;/routing-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference> (configuration/routing-instances/instance/  
routing-options/rib/generate/route)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;routing-options&gt;         &lt;rib&gt;           &lt;generate&gt;             &lt;route&gt;               &lt;preference&gt;                 &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;                 &lt;type&gt;type&lt;/type&gt;               &lt;/preference&gt;             &lt;/route&gt;           &lt;/generate&gt;         &lt;/rib&gt;       &lt;/routing-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference> (configuration/routing-instances/instance/  
routing-options/rib/static/defaults)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <rib>  
          <static>  
          <defaults>  
          **<preference>**  
            <metric-value>*metric-value*</metric-value>   <!-- mandatory -->  
            <type>*type*</type>  
          **</preference>**  
          </defaults>  
          </static>  
          </rib>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Preference value.

**Contents**   <metric-value>—Metric value.

          <type>—Metric type.

**<preference> (configuration/routing-instances/instance/  
routing-options/rib/static/iso-route)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;routing-options&gt;         &lt;rib&gt;           &lt;static&gt;             &lt;iso-route&gt;               &lt;preference&gt;                 &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;                 &lt;type&gt;type&lt;/type&gt;               &lt;/preference&gt;             &lt;/iso-route&gt;           &lt;/static&gt;         &lt;/rib&gt;       &lt;/routing-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference> (configuration/routing-instances/instance/routing-options/rib/static/route)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;routing-options&gt;         &lt;rib&gt;           &lt;static&gt;             &lt;route&gt;               &lt;preference&gt;                 &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;                 &lt;type&gt;type&lt;/type&gt;               &lt;/preference&gt;             &lt;/route&gt;           &lt;/static&gt;         &lt;/rib&gt;       &lt;/routing-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference> (configuration/routing-instances/instance/routing-options/static/defaults)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;routing-options&gt;         &lt;static&gt;           &lt;defaults&gt;             &lt;preference&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference&gt;           &lt;/defaults&gt;         &lt;/static&gt;       &lt;/routing-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>



**<preference> (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;preference&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference&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>	Preference value.
<b>Contents</b>	<pre>&lt;metric-value&gt;—Metric value.  &lt;type&gt;—Metric type.</pre>

**<preference> (configuration/routing-instances/instance/  
routing-options/static/route)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;routing-options&gt;         &lt;static&gt;           &lt;route&gt;             &lt;preference&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference&gt;           &lt;/route&gt;         &lt;/static&gt;       &lt;/routing-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<pre>&lt;metric-value&gt;—Metric value.  &lt;type&gt;—Metric type.</pre>

**<preference> (configuration/routing-options/aggregate/defaults)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;aggregate&gt;       &lt;defaults&gt;         &lt;preference&gt;           &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;           &lt;type&gt;type&lt;/type&gt;         &lt;/preference&gt;       &lt;/defaults&gt;     &lt;/aggregate&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference> (configuration/routing-options/aggregate/route)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;aggregate&gt;       &lt;route&gt;         &lt;preference&gt;           &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;           &lt;type&gt;type&lt;/type&gt;         &lt;/preference&gt;       &lt;/route&gt;     &lt;/aggregate&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference> (configuration/routing-options/generate/defaults)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;generate&gt;       &lt;defaults&gt;         &lt;preference&gt;           &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;           &lt;type&gt;type&lt;/type&gt;         &lt;/preference&gt;       &lt;/defaults&gt;     &lt;/generate&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference> (configuration/routing-options/generate/route)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;generate&gt;       &lt;route&gt;         &lt;preference&gt;           &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;           &lt;type&gt;type&lt;/type&gt;         &lt;/preference&gt;       &lt;/route&gt;     &lt;/generate&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## <preference> (configuration/routing-options/rib/aggregate/defaults)

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;rib&gt;       &lt;aggregate&gt;         &lt;defaults&gt;           &lt;preference&gt;             &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;             &lt;type&gt;type&lt;/type&gt;           &lt;/preference&gt;         &lt;/defaults&gt;       &lt;/aggregate&gt;     &lt;/rib&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## <preference> (configuration/routing-options/rib/aggregate/route)

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;rib&gt;       &lt;aggregate&gt;         &lt;route&gt;           &lt;preference&gt;             &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;             &lt;type&gt;type&lt;/type&gt;           &lt;/preference&gt;         &lt;/route&gt;       &lt;/aggregate&gt;     &lt;/rib&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference> (configuration/routing-options/rib/generate/defaults)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;rib&gt;       &lt;generate&gt;         &lt;defaults&gt;           &lt;preference&gt;             &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;             &lt;type&gt;type&lt;/type&gt;           &lt;/preference&gt;         &lt;/defaults&gt;       &lt;/generate&gt;     &lt;/rib&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference> (configuration/routing-options/rib/generate/route)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;rib&gt;       &lt;generate&gt;         &lt;route&gt;           &lt;preference&gt;             &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;             &lt;type&gt;type&lt;/type&gt;           &lt;/preference&gt;         &lt;/route&gt;       &lt;/generate&gt;     &lt;/rib&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference> (configuration/routing-options/rib/static/defaults)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;rib&gt;       &lt;static&gt;         &lt;defaults&gt;           &lt;preference&gt;             &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;             &lt;type&gt;type&lt;/type&gt;           &lt;/preference&gt;         &lt;/defaults&gt;       &lt;/static&gt;     &lt;/rib&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference> (configuration/routing-options/rib/static/iso-route)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;rib&gt;       &lt;static&gt;         &lt;iso-route&gt;           &lt;preference&gt;             &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;             &lt;type&gt;type&lt;/type&gt;           &lt;/preference&gt;         &lt;/iso-route&gt;       &lt;/static&gt;     &lt;/rib&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference> (configuration/routing-options/rib/static/route)**

---

**Usage**   <configuration>  
           <routing-options>  
           <rib>  
           <static>  
           <route>  
             **<preference>**  
               <metric-value>*metric-value*</metric-value>   <!-- mandatory -->  
               <type>*type*</type>  
             **</preference>**  
           </route>  
         </static>  
       </rib>  
     </routing-options>  
 </configuration>

**Description**   Preference value.

**Contents**   <metric-value>—Metric value.  
               <type>—Metric type.

**<preference> (configuration/routing-options/static/defaults)**

---

**Usage**   <configuration>  
           <routing-options>  
           <static>  
           <defaults>  
             **<preference>**  
               <metric-value>*metric-value*</metric-value>   <!-- mandatory -->  
               <type>*type*</type>  
             **</preference>**  
           </defaults>  
         </static>  
       </routing-options>  
 </configuration>

**Description**   Preference value.

**Contents**   <metric-value>—Metric value.  
               <type>—Metric type.

**<preference> (configuration/routing-options/static/iso-route)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;static&gt;       &lt;iso-route&gt;         &lt;preference&gt;           &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;           &lt;type&gt;type&lt;/type&gt;         &lt;/preference&gt;       &lt;/iso-route&gt;     &lt;/static&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference> (configuration/routing-options/static/route)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;static&gt;       &lt;route&gt;         &lt;preference&gt;           &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;           &lt;type&gt;type&lt;/type&gt;         &lt;/preference&gt;       &lt;/route&gt;     &lt;/static&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>



## **<preference2> (configuration/logical-systems/policy-options/ policy-statement/from/prefix-list-filter)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <policy-options>  
           <policy-statement>  
           <from>  
           <prefix-list-filter>  
           **<preference2>**  
           <preference2>*preference2*</preference2>  
           <add>*add*</add>  
           <subtract>*subtract*</subtract>  
           **</preference2>**  
           </prefix-list-filter>  
           </from>  
           </policy-statement>  
           </policy-options>  
           </logical-systems>  
         </configuration>

**Description**   Preference value 2.

**Contents**   <add>—Add constant to attribute.  
               <preference2>—No documentation is available yet.  
               <subtract>—Subtract constant from attribute.

## **<preference2> (configuration/logical-systems/policy-options/ policy-statement/from/route-filter)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <policy-options>  
          <policy-statement>  
          <from>  
          <route-filter>  
          **<preference2>**  
          <preference2>preference2</preference2>  
          <add>add</add>  
          <subtract>subtract</subtract>  
          **</preference2>**  
          </route-filter>  
          </from>  
          </policy-statement>  
          </policy-options>  
          </logical-systems>  
          </configuration>

**Description**   Preference value 2.

**Contents**   <add>—Add constant to attribute.  
  
              <preference2>—No documentation is available yet.  
  
              <subtract>—Subtract constant from attribute.

## **<preference2> (configuration/logical-systems/policy-options/ policy-statement/from/source-address-filter)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <policy-options>  
           <policy-statement>  
           <from>  
           <source-address-filter>  
           **<preference2>**  
           <preference2>*preference2*</preference2>  
           <add>*add*</add>  
           <subtract>*subtract*</subtract>  
           **</preference2>**  
           </source-address-filter>  
           </from>  
           </policy-statement>  
           </policy-options>  
           </logical-systems>  
         </configuration>

**Description**   Preference value 2.

**Contents**   <add>—Add constant to attribute.  
               <preference2>—No documentation is available yet.  
               <subtract>—Subtract constant from attribute.

## **<preference2> (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>  
          **<preference2>**  
            <preference2>*preference2*</preference2>  
            <add>*add*</add>  
            <subtract>*subtract*</subtract>  
          **</preference2>**  
          </prefix-list-filter>  
          </from>  
          </term>  
          </policy-statement>  
          </policy-options>  
          </logical-systems>  
          </configuration>

**Description**   Preference value 2.

**Contents**   <add>—Add constant to attribute.

          <preference2>—No documentation is available yet.

          <subtract>—Subtract constant from attribute.

**<preference2> (configuration/logical-systems/policy-options/  
policy-statement/term/from/route-filter)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <policy-options>  
          <policy-statement>  
          <term>  
          <from>  
          <route-filter>  
          **<preference2>**  
          <preference2>*preference2*</preference2>  
          <add>*add*</add>  
          <subtract>*subtract*</subtract>  
          **</preference2>**  
          </route-filter>  
          </from>  
          </term>  
          </policy-statement>  
          </policy-options>  
          </logical-systems>  
          </configuration>

**Description**   Preference value 2.

**Contents**   <add>—Add constant to attribute.

              <preference2>—No documentation is available yet.

              <subtract>—Subtract constant from attribute.

**<preference2> (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>  
          **<preference2>**  
          <preference2>*preference2*</preference2>  
          <add>*add*</add>  
          <subtract>*subtract*</subtract>  
          **</preference2>**  
          </source-address-filter>  
          </from>  
          </term>  
          </policy-statement>  
          </policy-options>  
          </logical-systems>  
          </configuration>

**Description**   Preference value 2.

**Contents**   <add>—Add constant to attribute.

          <preference2>—No documentation is available yet.

          <subtract>—Subtract constant from attribute.

**<preference2> (configuration/logical-systems/policy-options/  
policy-statement/term/then)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <policy-options>  
          <policy-statement>  
          <term>  
          <then>  
            **<preference2>**  
              <preference2>*preference2*</preference2>  
              <add>*add*</add>  
              <subtract>*subtract*</subtract>  
            **</preference2>**  
          </then>  
          </term>  
          </policy-statement>  
          </policy-options>  
          </logical-systems>  
          </configuration>

**Description**   Preference value 2.

**Contents**   <add>—Add constant to attribute.  
  
              <preference2>—No documentation is available yet.  
  
              <subtract>—Subtract constant from attribute.

## **<preference2> (configuration/logical-systems/policy-options/ policy-statement/then)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <policy-options>  
          <policy-statement>  
          <then>  
            **<preference2>**  
            <preference2>*preference2*</preference2>  
            <add>*add*</add>  
            <subtract>*subtract*</subtract>  
            **</preference2>**  
          </then>  
          </policy-statement>  
          </policy-options>  
          </logical-systems>  
          </configuration>

**Description**   Preference value 2.

**Contents**   <add>—Add constant to attribute.

          <preference2>—No documentation is available yet.

          <subtract>—Subtract constant from attribute.



**<preference2> (configuration/logical-systems/routing-instances/instance/routing-options/aggregate/defaults)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-instances&gt;       &lt;instance&gt;         &lt;routing-options&gt;           &lt;aggregate&gt;             &lt;defaults&gt;               &lt;preference2&gt;                 &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;                 &lt;type&gt;type&lt;/type&gt;               &lt;/preference2&gt;             &lt;/defaults&gt;           &lt;/aggregate&gt;         &lt;/routing-options&gt;       &lt;/instance&gt;     &lt;/routing-instances&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference2> (configuration/logical-systems/routing-instances/instance/routing-options/aggregate/route)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <aggregate>  
          <route>  
            **<preference2>**  
              <metric-value>*metric-value*</metric-value>   <!-- mandatory -->  
              <type>*type*</type>  
            **</preference2>**  
          </route>  
          </aggregate>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Preference value 2.

**Contents**   <metric-value>—Metric value.

              <type>—Metric type.

**<preference2> (configuration/logical-systems/routing-instances/  
instance/routing-options/generate/defaults)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <generate>  
          <defaults>  
            **<preference2>**  
              <metric-value>*metric-value*</metric-value>   <!-- mandatory -->  
              <type>*type*</type>  
            **</preference2>**  
          </defaults>  
          </generate>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Preference value 2.

**Contents**   <metric-value>—Metric value.  
              <type>—Metric type.

**<preference2> (configuration/logical-systems/routing-instances/instance/routing-options/generate/route)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <generate>  
          <route>  
            **<preference2>**  
              <metric-value>*metric-value*</metric-value>    <!-- mandatory -->  
              <type>*type*</type>  
            **</preference2>**  
          </route>  
          </generate>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Preference value 2.

**Contents**   <metric-value>—Metric value.

              <type>—Metric type.

**<preference2> (configuration/logical-systems/routing-instances/  
instance/routing-options/rib/aggregate/defaults)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <rib>  
          <aggregate>  
          <defaults>  
            **<preference2>**  
              <metric-value>*metric-value*</metric-value>   <!-- mandatory -->  
              <type>*type*</type>  
            **</preference2>**  
          </defaults>  
          </aggregate>  
          </rib>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Preference value 2.

**Contents**   <metric-value>—Metric value.  
  
              <type>—Metric type.

**<preference2> (configuration/logical-systems/routing-instances/instance/routing-options/rib/aggregate/route)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <rib>  
          <aggregate>  
          <route>  
            **<preference2>**  
              <metric-value>*metric-value*</metric-value>   <!-- mandatory -->  
              <type>*type*</type>  
            **</preference2>**  
          </route>  
          </aggregate>  
          </rib>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Preference value 2.

**Contents**   <metric-value>—Metric value.  
              <type>—Metric type.

**<preference2> (configuration/logical-systems/routing-instances/  
instance/routing-options/rib/generate/defaults)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <rib>  
          <generate>  
          <defaults>  
            **<preference2>**  
              <metric-value>*metric-value*</metric-value>   <!-- mandatory -->  
              <type>*type*</type>  
            **</preference2>**  
          </defaults>  
          </generate>  
          </rib>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Preference value 2.

**Contents**   <metric-value>—Metric value.  
  
              <type>—Metric type.

**<preference2> (configuration/logical-systems/routing-instances/instance/routing-options/rib/generate/route)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <rib>  
          <generate>  
          <route>  
            **<preference2>**  
              <metric-value>*metric-value*</metric-value>   <!-- mandatory -->  
              <type>*type*</type>  
            **</preference2>**  
          </route>  
          </generate>  
          </rib>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Preference value 2.

**Contents**   <metric-value>—Metric value.  
              <type>—Metric type.



**<preference2> (configuration/logical-systems/routing-instances/  
instance/routing-options/rib/static/defaults)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <rib>  
          <static>  
          <defaults>  
            **<preference2>**  
              <metric-value>*metric-value*</metric-value>   <!-- mandatory -->  
              <type>*type*</type>  
            **</preference2>**  
          </defaults>  
          </static>  
          </rib>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Preference value 2.

**Contents**   <metric-value>—Metric value.  
  
              <type>—Metric type.

**<preference2> (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>  
            **<preference2>**  
              <metric-value>*metric-value*</metric-value>   <!-- mandatory -->  
              <type>*type*</type>  
            **</preference2>**  
          </iso-route>  
          </static>  
          </rib>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Preference value 2.

**Contents**   <metric-value>—Metric value.

              <type>—Metric type.

**<preference2> (configuration/logical-systems/routing-instances/  
instance/routing-options/rib/static/route)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <rib>  
          <static>  
          <route>  
              **<preference2>**  
              <metric-value>*metric-value*</metric-value>   <!-- mandatory -->  
              <type>*type*</type>  
              **</preference2>**  
          </route>  
          </static>  
          </rib>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Preference value 2.

**Contents**   <metric-value>—Metric value.  
  
              <type>—Metric type.

**<preference2> (configuration/logical-systems/routing-instances/  
instance/routing-options/static/defaults)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <static>  
          <defaults>  
            **<preference2>**  
              <metric-value>*metric-value*</metric-value>   <!-- mandatory -->  
              <type>*type*</type>  
            **</preference2>**  
          </defaults>  
          </static>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Preference value 2.

**Contents**   <metric-value>—Metric value.

              <type>—Metric type.

**<preference2> (configuration/logical-systems/routing-instances/instance/routing-options/static/iso-route)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-instances&gt;       &lt;instance&gt;         &lt;routing-options&gt;           &lt;static&gt;             &lt;iso-route&gt;               &lt;preference2&gt;                 &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;                 &lt;type&gt;type&lt;/type&gt;               &lt;/preference2&gt;             &lt;/iso-route&gt;           &lt;/static&gt;         &lt;/routing-options&gt;       &lt;/instance&gt;     &lt;/routing-instances&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference2> (configuration/logical-systems/routing-instances/instance/routing-options/static/route)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-instances&gt;       &lt;instance&gt;         &lt;routing-options&gt;           &lt;static&gt;             &lt;route&gt;               &lt;preference2&gt;                 &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;                 &lt;type&gt;type&lt;/type&gt;               &lt;/preference2&gt;             &lt;/route&gt;           &lt;/static&gt;         &lt;/routing-options&gt;       &lt;/instance&gt;     &lt;/routing-instances&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference2> (configuration/logical-systems/routing-options/aggregate/defaults)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;aggregate&gt;         &lt;defaults&gt;           &lt;preference2&gt;             &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;             &lt;type&gt;type&lt;/type&gt;           &lt;/preference2&gt;         &lt;/defaults&gt;       &lt;/aggregate&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference2> (configuration/logical-systems/routing-options/aggregate/route)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;aggregate&gt;         &lt;route&gt;           &lt;preference2&gt;             &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;             &lt;type&gt;type&lt;/type&gt;           &lt;/preference2&gt;         &lt;/route&gt;       &lt;/aggregate&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference2> (configuration/logical-systems/routing-options/generate/defaults)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;generate&gt;         &lt;defaults&gt;           &lt;preference2&gt;             &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;             &lt;type&gt;type&lt;/type&gt;           &lt;/preference2&gt;         &lt;/defaults&gt;       &lt;/generate&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference2> (configuration/logical-systems/routing-options/generate/route)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;generate&gt;         &lt;route&gt;           &lt;preference2&gt;             &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;             &lt;type&gt;type&lt;/type&gt;           &lt;/preference2&gt;         &lt;/route&gt;       &lt;/generate&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<pre>&lt;metric-value&gt;—Metric value.  &lt;type&gt;—Metric type.</pre>

## **<preference2> (configuration/logical-systems/routing-options/rib/aggregate/defaults)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;rib&gt;         &lt;aggregate&gt;           &lt;defaults&gt;             &lt;preference2&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference2&gt;           &lt;/defaults&gt;         &lt;/aggregate&gt;       &lt;/rib&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<pre>&lt;metric-value&gt;—Metric value.  &lt;type&gt;—Metric type.</pre>



## **<preference2> (configuration/logical-systems/routing-options/rib/aggregate/route)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;rib&gt;         &lt;aggregate&gt;           &lt;route&gt;             &lt;preference2&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference2&gt;           &lt;/route&gt;         &lt;/aggregate&gt;       &lt;/rib&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference2> (configuration/logical-systems/routing-options/rib/generate/defaults)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;rib&gt;         &lt;generate&gt;           &lt;defaults&gt;             &lt;preference2&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference2&gt;           &lt;/defaults&gt;         &lt;/generate&gt;       &lt;/rib&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## <preference2> (configuration/logical-systems/routing-options/rib/generate/route)

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;rib&gt;         &lt;generate&gt;           &lt;route&gt;             &lt;preference2&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference2&gt;           &lt;/route&gt;         &lt;/generate&gt;       &lt;/rib&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## <preference2> (configuration/logical-systems/routing-options/rib/static/defaults)

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;rib&gt;         &lt;static&gt;           &lt;defaults&gt;             &lt;preference2&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference2&gt;           &lt;/defaults&gt;         &lt;/static&gt;       &lt;/rib&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference2> (configuration/logical-systems/routing-options/rib/static/iso-route)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;rib&gt;         &lt;static&gt;           &lt;iso-route&gt;             &lt;preference2&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference2&gt;           &lt;/iso-route&gt;         &lt;/static&gt;       &lt;/rib&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference2> (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;preference2&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference2&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>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference2> (configuration/logical-systems/routing-options/static/defaults)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;static&gt;         &lt;defaults&gt;           &lt;preference2&gt;             &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;             &lt;type&gt;type&lt;/type&gt;           &lt;/preference2&gt;         &lt;/defaults&gt;       &lt;/static&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<pre>&lt;metric-value&gt;—Metric value.  &lt;type&gt;—Metric type.</pre>

## **<preference2> (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;preference2&gt;             &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;             &lt;type&gt;type&lt;/type&gt;           &lt;/preference2&gt;         &lt;/iso-route&gt;       &lt;/static&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<pre>&lt;metric-value&gt;—Metric value.  &lt;type&gt;—Metric type.</pre>

## **<preference2> (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;preference2&gt;             &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;             &lt;type&gt;type&lt;/type&gt;           &lt;/preference2&gt;         &lt;/route&gt;       &lt;/static&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference2> (configuration/policy-options/policy-statement/from/prefix-list-filter)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;policy-options&gt;     &lt;policy-statement&gt;       &lt;from&gt;         &lt;prefix-list-filter&gt;           &lt;preference2&gt;             &lt;preference2&gt;preference2&lt;/preference2&gt;             &lt;add&gt;add&lt;/add&gt;             &lt;subtract&gt;subtract&lt;/subtract&gt;           &lt;/preference2&gt;         &lt;/prefix-list-filter&gt;       &lt;/from&gt;     &lt;/policy-statement&gt;   &lt;/policy-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;add&gt;—Add constant to attribute.</p> <p>&lt;preference2&gt;—No documentation is available yet.</p> <p>&lt;subtract&gt;—Subtract constant from attribute.</p>

## <preference2> (configuration/policy-options/policy-statement/from/route-filter)

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;policy-options&gt;     &lt;policy-statement&gt;       &lt;from&gt;         &lt;route-filter&gt;           &lt;preference2&gt;             &lt;preference2&gt;preference2&lt;/preference2&gt;             &lt;add&gt;add&lt;/add&gt;             &lt;subtract&gt;subtract&lt;/subtract&gt;           &lt;/preference2&gt;         &lt;/route-filter&gt;       &lt;/from&gt;     &lt;/policy-statement&gt;   &lt;/policy-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;add&gt;—Add constant to attribute.</p> <p>&lt;preference2&gt;—No documentation is available yet.</p> <p>&lt;subtract&gt;—Subtract constant from attribute.</p>

## <preference2> (configuration/policy-options/policy-statement/from/source-address-filter)

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;policy-options&gt;     &lt;policy-statement&gt;       &lt;from&gt;         &lt;source-address-filter&gt;           &lt;preference2&gt;             &lt;preference2&gt;preference2&lt;/preference2&gt;             &lt;add&gt;add&lt;/add&gt;             &lt;subtract&gt;subtract&lt;/subtract&gt;           &lt;/preference2&gt;         &lt;/source-address-filter&gt;       &lt;/from&gt;     &lt;/policy-statement&gt;   &lt;/policy-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;add&gt;—Add constant to attribute.</p> <p>&lt;preference2&gt;—No documentation is available yet.</p> <p>&lt;subtract&gt;—Subtract constant from attribute.</p>

**<preference2> (configuration/policy-options/policy-statement/  
term/from/prefix-list-filter)**

---

**Usage**   <configuration>  
          <policy-options>  
          <policy-statement>  
          <term>  
          <from>  
          <prefix-list-filter>  
          **<preference2>**  
          <preference2>*preference2*</preference2>  
          <add>*add*</add>  
          <subtract>*subtract*</subtract>  
          **</preference2>**  
          </prefix-list-filter>  
          </from>  
          </term>  
          </policy-statement>  
          </policy-options>  
          </configuration>

**Description**   Preference value 2.

**Contents**   <add>—Add constant to attribute.

              <preference2>—No documentation is available yet.

              <subtract>—Subtract constant from attribute.

## **<preference2> (configuration/policy-options/policy-statement/term/from/route-filter)**

---

**Usage**   <configuration>  
          <policy-options>  
          <policy-statement>  
          <term>  
          <from>  
          <route-filter>  
          **<preference2>**  
          <preference2>preference2</preference2>  
          <add>add</add>  
          <subtract>subtract</subtract>  
          **</preference2>**  
          </route-filter>  
          </from>  
          </term>  
          </policy-statement>  
          </policy-options>  
          </configuration>

**Description**   Preference value 2.

**Contents**   <add>—Add constant to attribute.  
  
              <preference2>—No documentation is available yet.  
  
              <subtract>—Subtract constant from attribute.



## **<preference2> (configuration/policy-options/policy-statement/term/from/source-address-filter)**

---

**Usage**   <configuration>  
           <policy-options>  
           <policy-statement>  
           <term>  
           <from>  
           <source-address-filter>  
           **<preference2>**  
           <preference2>*preference2*</preference2>  
           <add>*add*</add>  
           <subtract>*subtract*</subtract>  
           **</preference2>**  
           </source-address-filter>  
           </from>  
           </term>  
           </policy-statement>  
           </policy-options>  
         </configuration>

**Description**   Preference value 2.

**Contents**   <add>—Add constant to attribute.

          <preference2>—No documentation is available yet.

          <subtract>—Subtract constant from attribute.

## <preference2> (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;preference2&gt;             &lt;preference2&gt;preference2&lt;/preference2&gt;             &lt;add&gt;add&lt;/add&gt;             &lt;subtract&gt;subtract&lt;/subtract&gt;           &lt;/preference2&gt;         &lt;/then&gt;       &lt;/term&gt;     &lt;/policy-statement&gt;   &lt;/policy-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;add&gt;—Add constant to attribute.</p> <p>&lt;preference2&gt;—No documentation is available yet.</p> <p>&lt;subtract&gt;—Subtract constant from attribute.</p>

## <preference2> (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;preference2&gt;           &lt;preference2&gt;preference2&lt;/preference2&gt;           &lt;add&gt;add&lt;/add&gt;           &lt;subtract&gt;subtract&lt;/subtract&gt;         &lt;/preference2&gt;       &lt;/then&gt;     &lt;/policy-statement&gt;   &lt;/policy-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;add&gt;—Add constant to attribute.</p> <p>&lt;preference2&gt;—No documentation is available yet.</p> <p>&lt;subtract&gt;—Subtract constant from attribute.</p>

## **<preference2> (configuration/routing-instances/instance/routing-options/aggregate/defaults)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;routing-options&gt;         &lt;aggregate&gt;           &lt;defaults&gt;             &lt;preference2&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference2&gt;           &lt;/defaults&gt;         &lt;/aggregate&gt;       &lt;/routing-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference2> (configuration/routing-instances/instance/routing-options/aggregate/route)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;routing-options&gt;         &lt;aggregate&gt;           &lt;route&gt;             &lt;preference2&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference2&gt;           &lt;/route&gt;         &lt;/aggregate&gt;       &lt;/routing-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference2> (configuration/routing-instances/instance/routing-options/generate/defaults)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;routing-options&gt;         &lt;generate&gt;           &lt;defaults&gt;             &lt;preference2&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference2&gt;           &lt;/defaults&gt;         &lt;/generate&gt;       &lt;/routing-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference2> (configuration/routing-instances/instance/routing-options/generate/route)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;routing-options&gt;         &lt;generate&gt;           &lt;route&gt;             &lt;preference2&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference2&gt;           &lt;/route&gt;         &lt;/generate&gt;       &lt;/routing-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference2> (configuration/routing-instances/instance/  
routing-options/rib/aggregate/defaults)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;routing-options&gt;         &lt;rib&gt;           &lt;aggregate&gt;             &lt;defaults&gt;               &lt;preference2&gt;                 &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;                 &lt;type&gt;type&lt;/type&gt;               &lt;/preference2&gt;             &lt;/defaults&gt;           &lt;/aggregate&gt;         &lt;/rib&gt;       &lt;/routing-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference2> (configuration/routing-instances/instance/  
routing-options/rib/aggregate/route)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <rib>  
          <aggregate>  
          <route>  
            **<preference2>**  
              <metric-value>*metric-value*</metric-value>    <!-- mandatory -->  
              <type>*type*</type>  
            **</preference2>**  
          </route>  
          </aggregate>  
          </rib>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Preference value 2.

**Contents**   <metric-value>—Metric value.

          <type>—Metric type.

**<preference2> (configuration/routing-instances/instance/  
routing-options/rib/generate/defaults)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;routing-options&gt;         &lt;rib&gt;           &lt;generate&gt;             &lt;defaults&gt;               &lt;preference2&gt;                 &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;                 &lt;type&gt;type&lt;/type&gt;               &lt;/preference2&gt;             &lt;/defaults&gt;           &lt;/generate&gt;         &lt;/rib&gt;       &lt;/routing-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference2> (configuration/routing-instances/instance/  
routing-options/rib/generate/route)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <rib>  
          <generate>  
          <route>  
            **<preference2>**  
              <metric-value>*metric-value*</metric-value>   <!-- mandatory -->  
              <type>*type*</type>  
            **</preference2>**  
          </route>  
          </generate>  
          </rib>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Preference value 2.

**Contents**   <metric-value>—Metric value.

          <type>—Metric type.



**<preference2> (configuration/routing-instances/instance/  
routing-options/rib/static/defaults)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;routing-options&gt;         &lt;rib&gt;           &lt;static&gt;             &lt;defaults&gt;               &lt;preference2&gt;                 &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;                 &lt;type&gt;type&lt;/type&gt;               &lt;/preference2&gt;             &lt;/defaults&gt;           &lt;/static&gt;         &lt;/rib&gt;       &lt;/routing-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference2> (configuration/routing-instances/instance/  
routing-options/rib/static/iso-route)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <rib>  
          <static>  
          <iso-route>  
            **<preference2>**  
              <metric-value>*metric-value*</metric-value>   <!-- mandatory -->  
              <type>*type*</type>  
            **</preference2>**  
          </iso-route>  
          </static>  
          </rib>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Preference value 2.

**Contents**   <metric-value>—Metric value.

              <type>—Metric type.

## **<preference2> (configuration/routing-instances/instance/routing-options/rib/static/route)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;routing-options&gt;         &lt;rib&gt;           &lt;static&gt;             &lt;route&gt;               &lt;preference2&gt;                 &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;                 &lt;type&gt;type&lt;/type&gt;               &lt;/preference2&gt;             &lt;/route&gt;           &lt;/static&gt;         &lt;/rib&gt;       &lt;/routing-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference2> (configuration/routing-instances/instance/routing-options/static/defaults)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;routing-options&gt;         &lt;static&gt;           &lt;defaults&gt;             &lt;preference2&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference2&gt;           &lt;/defaults&gt;         &lt;/static&gt;       &lt;/routing-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference2> (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;preference2&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference2&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>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<preference2> (configuration/routing-instances/instance/routing-options/static/route)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;routing-options&gt;         &lt;static&gt;           &lt;route&gt;             &lt;preference2&gt;               &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;               &lt;type&gt;type&lt;/type&gt;             &lt;/preference2&gt;           &lt;/route&gt;         &lt;/static&gt;       &lt;/routing-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference2> (configuration/routing-options/aggregate/defaults)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;aggregate&gt;       &lt;defaults&gt;         &lt;preference2&gt;           &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;           &lt;type&gt;type&lt;/type&gt;         &lt;/preference2&gt;       &lt;/defaults&gt;     &lt;/aggregate&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference2> (configuration/routing-options/aggregate/route)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;aggregate&gt;       &lt;route&gt;         &lt;preference2&gt;           &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;           &lt;type&gt;type&lt;/type&gt;         &lt;/preference2&gt;       &lt;/route&gt;     &lt;/aggregate&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference2> (configuration/routing-options/generate/defaults)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;generate&gt;       &lt;defaults&gt;         &lt;preference2&gt;           &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;           &lt;type&gt;type&lt;/type&gt;         &lt;/preference2&gt;       &lt;/defaults&gt;     &lt;/generate&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference2> (configuration/routing-options/generate/route)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;generate&gt;       &lt;route&gt;         &lt;preference2&gt;           &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;           &lt;type&gt;type&lt;/type&gt;         &lt;/preference2&gt;       &lt;/route&gt;     &lt;/generate&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## <preference2> (configuration/routing-options/rib/aggregate/defaults)

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;rib&gt;       &lt;aggregate&gt;         &lt;defaults&gt;           &lt;preference2&gt;             &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;             &lt;type&gt;type&lt;/type&gt;           &lt;/preference2&gt;         &lt;/defaults&gt;       &lt;/aggregate&gt;     &lt;/rib&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## <preference2> (configuration/routing-options/rib/aggregate/route)

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;rib&gt;       &lt;aggregate&gt;         &lt;route&gt;           &lt;preference2&gt;             &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;             &lt;type&gt;type&lt;/type&gt;           &lt;/preference2&gt;         &lt;/route&gt;       &lt;/aggregate&gt;     &lt;/rib&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## <preference2> (configuration/routing-options/rib/generate/defaults)

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;rib&gt;       &lt;generate&gt;         &lt;defaults&gt;           &lt;preference2&gt;             &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;             &lt;type&gt;type&lt;/type&gt;           &lt;/preference2&gt;         &lt;/defaults&gt;       &lt;/generate&gt;     &lt;/rib&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## <preference2> (configuration/routing-options/rib/generate/route)

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;rib&gt;       &lt;generate&gt;         &lt;route&gt;           &lt;preference2&gt;             &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;             &lt;type&gt;type&lt;/type&gt;           &lt;/preference2&gt;         &lt;/route&gt;       &lt;/generate&gt;     &lt;/rib&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>



**<preference2> (configuration/routing-options/rib/static/defaults)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;rib&gt;       &lt;static&gt;         &lt;defaults&gt;           &lt;preference2&gt;             &lt;metric-value&gt;<i>metric-value</i>&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;             &lt;type&gt;<i>type</i>&lt;/type&gt;           &lt;/preference2&gt;         &lt;/defaults&gt;       &lt;/static&gt;     &lt;/rib&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference2> (configuration/routing-options/rib/static/iso-route)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;rib&gt;       &lt;static&gt;         &lt;iso-route&gt;           &lt;preference2&gt;             &lt;metric-value&gt;<i>metric-value</i>&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;             &lt;type&gt;<i>type</i>&lt;/type&gt;           &lt;/preference2&gt;         &lt;/iso-route&gt;       &lt;/static&gt;     &lt;/rib&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference2> (configuration/routing-options/rib/static/route)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;rib&gt;       &lt;static&gt;         &lt;route&gt;           &lt;preference2&gt;             &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;             &lt;type&gt;type&lt;/type&gt;           &lt;/preference2&gt;         &lt;/route&gt;       &lt;/static&gt;     &lt;/rib&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference2> (configuration/routing-options/static/defaults)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;static&gt;       &lt;defaults&gt;         &lt;preference2&gt;           &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;           &lt;type&gt;type&lt;/type&gt;         &lt;/preference2&gt;       &lt;/defaults&gt;     &lt;/static&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference2> (configuration/routing-options/static/iso-route)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;static&gt;       &lt;iso-route&gt;         &lt;preference2&gt;           &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;           &lt;type&gt;type&lt;/type&gt;         &lt;/preference2&gt;       &lt;/iso-route&gt;     &lt;/static&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

**<preference2> (configuration/routing-options/static/route)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;static&gt;       &lt;route&gt;         &lt;preference2&gt;           &lt;metric-value&gt;metric-value&lt;/metric-value&gt;    &lt;!-- mandatory --&gt;           &lt;type&gt;type&lt;/type&gt;         &lt;/preference2&gt;       &lt;/route&gt;     &lt;/static&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Preference value 2.
<b>Contents</b>	<p>&lt;metric-value&gt;—Metric value.</p> <p>&lt;type&gt;—Metric type.</p>

## **<prefix> (configuration/bridge-domains/domain/forwarding-options/dhcp-relay/group/relay-option-82/circuit-id)**

---

**Usage**

```

<configuration>
  <bridge-domains>
    <domain>
      <forwarding-options>
        <dhcp-relay>
          <group>
            <relay-option-82>
              <circuit-id>
                <prefix>
                <host-name/>
                <logical-system-name/>
                <routing-instance-name/>
                </prefix>
              </circuit-id>
            </relay-option-82>
          </group>
        </dhcp-relay>
      </forwarding-options>
    </domain>
  </bridge-domains>
</configuration>

```

**Description** Add prefix to option-82.

**Contents** <host-name>—Add router host name to option-82.

<logical-system-name>—Add logical system name to option-82.

<routing-instance-name>—Add routing instance name to option-82.

## **<prefix> (configuration/bridge-domains/domain/forwarding-options/dhcp-relay/relay-option-82/circuit-id)**

---

**Usage**   <configuration>  
               <bridge-domains>  
               <domain>  
               <forwarding-options>  
               <dhcp-relay>  
               <relay-option-82>  
               <circuit-id>  
               **<prefix>**  
                   <host-name/>  
                   <logical-system-name/>  
                   <routing-instance-name/>  
               **</prefix>**  
               </circuit-id>  
               </relay-option-82>  
               </dhcp-relay>  
               </forwarding-options>  
               </domain>  
               </bridge-domains>  
               </configuration>

**Description**   Add prefix to option-82.

**Contents**   <host-name>—Add router host name to option-82.  
               <logical-system-name>—Add logical system name to option-82.  
               <routing-instance-name>—Add routing instance name to option-82.

**<prefix> (configuration/forwarding-options/dhcp-relay/group/relay-option-82/circuit-id)**

---

**Usage**   <configuration>  
          <forwarding-options>  
          <dhcp-relay>  
          <group>  
          <relay-option-82>  
          <circuit-id>  
          **<prefix>**  
          <host-name/>  
          <logical-system-name/>  
          <routing-instance-name/>  
          **</prefix>**  
          </circuit-id>  
          </relay-option-82>  
          </group>  
          </dhcp-relay>  
          </forwarding-options>  
          </configuration>

**Description**   Add prefix to option-82.

**Contents**   <host-name>—Add router host name to option-82.  
  
              <logical-system-name>—Add logical system name to option-82.  
  
              <routing-instance-name>—Add routing instance name to option-82.

## **<prefix> (configuration/forwarding-options/dhcp-relay/relay-option-82/circuit-id)**

---

**Usage**   <configuration>  
               <forwarding-options>  
               <dhcp-relay>  
               <relay-option-82>  
               <circuit-id>  
               **<prefix>**  
                   <host-name/>  
                   <logical-system-name/>  
                   <routing-instance-name/>  
               **</prefix>**  
               </circuit-id>  
               </relay-option-82>  
               </dhcp-relay>  
               </forwarding-options>  
               </configuration>

**Description**   Add prefix to option-82.

**Contents**   <host-name>—Add router host name to option-82.  
               <logical-system-name>—Add logical system name to option-82.  
               <routing-instance-name>—Add routing instance name to option-82.

**<prefix> (configuration/logical-systems/forwarding-options/dhcp-relay/group/relay-option-82/circuit-id)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <forwarding-options>  
          <dhcp-relay>  
          <group>  
          <relay-option-82>  
          <circuit-id>  
          **<prefix>**  
          <host-name/>  
          <logical-system-name/>  
          <routing-instance-name/>  
          **</prefix>**  
          </circuit-id>  
          </relay-option-82>  
          </group>  
          </dhcp-relay>  
          </forwarding-options>  
          </logical-systems>  
          </configuration>

**Description**   Add prefix to option-82.

**Contents**   <host-name>—Add router host name to option-82.  
              <logical-system-name>—Add logical system name to option-82.  
              <routing-instance-name>—Add routing instance name to option-82.



## **<prefix> (configuration/logical-systems/forwarding-options/dhcp-relay/relay-option-82/circuit-id)**

---

**Usage**   <configuration>  
               <logical-systems>  
                   <forwarding-options>  
                       <dhcp-relay>  
                           <relay-option-82>  
                               <circuit-id>  
                                   **<prefix>**  
                                       <host-name/>  
                                       <logical-system-name/>  
                                       <routing-instance-name/>  
                                   **</prefix>**  
                               </circuit-id>  
                           </relay-option-82>  
                       </dhcp-relay>  
                   </forwarding-options>  
               </logical-systems>  
           </configuration>

**Description**   Add prefix to option-82.

**Contents**   <host-name>—Add router host name to option-82.  
                   <logical-system-name>—Add logical system name to option-82.  
                   <routing-instance-name>—Add routing instance name to option-82.

## **<prefix> (configuration/logical-systems/protocols/router-advertisement/interface)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <router-advertisement>  
          <interface>  
          **<prefix>**  
            <name>*name*</name>    <!-- identifier -->  
            <valid-lifetime>*seconds*</valid-lifetime>  
            <on-link/>  
            <preferred-lifetime>*seconds*</preferred-lifetime>  
            <autonomous/>  
          **</prefix>**  
          </interface>  
          </router-advertisement>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Prefix configuration.

**Contents**   <autonomous>—Set autonomous flag.  
  
              <name>—Prefix to be advertised.  
  
              <on-link>—Set on-link flag.  
  
              <preferred-lifetime>—Preferred lifetime (fixed).  
  
              <valid-lifetime>—Valid lifetime (fixed).

**<prefix> (configuration/logical-systems/routing-instances/  
instance/bridge-domains/domain/forwarding-options/dhcp-relay/  
group/relay-option-82/circuit-id)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <bridge-domains>  
                     <domain>  
                         <forwarding-options>  
                             <dhcp-relay>  
                                 <group>  
                                     <relay-option-82>  
   <circuit-id>  
   **<prefix>**  
   <host-name/>  
   <logical-system-name/>  
   <routing-instance-name/>  
   **</prefix>**  
   </circuit-id>  
                                     </relay-option-82>  
                                 </group>  
                             </dhcp-relay>  
                         </forwarding-options>  
                     </domain>  
                 </bridge-domains>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** Add prefix to option-82.

**Contents** <host-name>—Add router host name to option-82.  
     <logical-system-name>—Add logical system name to option-82.  
     <routing-instance-name>—Add routing instance name to option-82.

## **<prefix> (configuration/logical-systems/routing-instances/instance/bridge-domains/domain/forwarding-options/dhcp-relay/relay-option-82/circuit-id)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <bridge-domains>
          <domain>
            <forwarding-options>
              <dhcp-relay>
                <relay-option-82>
                  <circuit-id>
                    <prefix>
                      <host-name/>
                      <logical-system-name/>
                      <routing-instance-name/>
                    </prefix>
                  </circuit-id>
                </relay-option-82>
              </dhcp-relay>
            </forwarding-options>
          </domain>
        </bridge-domains>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Add prefix to option-82.

**Contents** <host-name>—Add router host name to option-82.

<logical-system-name>—Add logical system name to option-82.

<routing-instance-name>—Add routing instance name to option-82.

**<prefix> (configuration/logical-systems/routing-instances/instance/forwarding-options/dhcp-relay/group/relay-option-82/circuit-id)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <forwarding-options>  
          <dhcp-relay>  
          <group>  
          <relay-option-82>  
          <circuit-id>  
          **<prefix>**  
          <host-name/>  
          <logical-system-name/>  
          <routing-instance-name/>  
          **</prefix>**  
          </circuit-id>  
          </relay-option-82>  
          </group>  
          </dhcp-relay>  
          </forwarding-options>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Add prefix to option-82.

- Contents**   <host-name>—Add router host name to option-82.
- <logical-system-name>—Add logical system name to option-82.
- <routing-instance-name>—Add routing instance name to option-82.

## **<prefix> (configuration/logical-systems/routing-instances/instance/forwarding-options/dhcp-relay/relay-option-82/circuit-id)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <forwarding-options>
          <dhcp-relay>
            <relay-option-82>
              <circuit-id>
                <prefix>
                <host-name/>
                <logical-system-name/>
                <routing-instance-name/>
              </prefix>
            </circuit-id>
          </relay-option-82>
        </dhcp-relay>
      </forwarding-options>
    </instance>
  </routing-instances>
</logical-systems>
</configuration>

```

**Description** Add prefix to option-82.

**Contents** <host-name>—Add router host name to option-82.

<logical-system-name>—Add logical system name to option-82.

<routing-instance-name>—Add routing instance name to option-82.

**<prefix> (configuration/protocols/router-advertisement/interface)**

---

**Usage** <configuration>  
           <protocols>  
             <router-advertisement>  
               <interface>  
                 **<prefix>**  
                   <name>name</name>   <!-- identifier -->  
                   <valid-lifetime>seconds</valid-lifetime>  
                   <on-link/>  
                   <preferred-lifetime>seconds</preferred-lifetime>  
                   <autonomous/>  
                 **</prefix>**  
               </interface>  
             </router-advertisement>  
           </protocols>  
         </configuration>

**Description** Prefix configuration.

**Contents** <autonomous>—Set autonomous flag.  
               <name>—Prefix to be advertised.  
               <on-link>—Set on-link flag.  
               <preferred-lifetime>—Preferred lifetime (fixed).  
               <valid-lifetime>—Valid lifetime (fixed).

## **<prefix> (configuration/routing-instances/instance/bridge-domains/domain/forwarding-options/dhcp-relay/group/relay-option-82/circuit-id)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <bridge-domains>
        <domain>
          <forwarding-options>
            <dhcp-relay>
              <group>
                <relay-option-82>
                  <circuit-id>
                    <prefix>
                      <host-name/>
                      <logical-system-name/>
                      <routing-instance-name/>
                    </prefix>
                  </circuit-id>
                </relay-option-82>
              </group>
            </dhcp-relay>
          </forwarding-options>
        </domain>
      </bridge-domains>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Add prefix to option-82.

**Contents** <host-name>—Add router host name to option-82.

<logical-system-name>—Add logical system name to option-82.

<routing-instance-name>—Add routing instance name to option-82.



## **<prefix> (configuration/routing-instances/instance/bridge-domains/domain/forwarding-options/dhcp-relay/relay-option-82/circuit-id)**

---

**Usage**   <configuration>  
               <routing-instances>  
                   <instance>  
                       <bridge-domains>  
                         <domain>  
                           <forwarding-options>  
                               <dhcp-relay>  
                                 <relay-option-82>  
                                   <circuit-id>  
                                       **<prefix>**  
   <host-name/>  
   <logical-system-name/>  
   <routing-instance-name/>  
                                       **</prefix>**  
   </circuit-id>  
                                 </relay-option-82>  
                               </dhcp-relay>  
                           </forwarding-options>  
                     </domain>  
                   </bridge-domains>  
                 </instance>  
       </routing-instances>  
  </configuration>

**Description**   Add prefix to option-82.

**Contents**   <host-name>—Add router host name to option-82.  
               <logical-system-name>—Add logical system name to option-82.  
               <routing-instance-name>—Add routing instance name to option-82.

## **<prefix> (configuration/routing-instances/instance/forwarding-options/dhcp-relay/group/relay-option-82/circuit-id)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <forwarding-options>
        <dhcp-relay>
          <group>
            <relay-option-82>
              <circuit-id>
                <prefix>
                <host-name/>
                <logical-system-name/>
                <routing-instance-name/>
                </prefix>
              </circuit-id>
            </relay-option-82>
          </group>
        </dhcp-relay>
      </forwarding-options>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Add prefix to option-82.

**Contents** <host-name>—Add router host name to option-82.

<logical-system-name>—Add logical system name to option-82.

<routing-instance-name>—Add routing instance name to option-82.

## **<prefix> (configuration/routing-instances/instance/forwarding-options/dhcp-relay/relay-option-82/circuit-id)**

---

**Usage**   <configuration>  
               <routing-instances>  
                   <instance>  
                       <forwarding-options>  
                           <dhcp-relay>  
                               <relay-option-82>  
                                   <circuit-id>  
                                       **<prefix>**  
   <host-name/>  
   <logical-system-name/>  
   <routing-instance-name/>  
                                       **</prefix>**  
                                   </circuit-id>  
                               </relay-option-82>  
                           </dhcp-relay>  
                       </forwarding-options>  
                   </instance>  
               </routing-instances>  
           </configuration>

**Description**   Add prefix to option-82.

**Contents**   <host-name>—Add router host name to option-82.  
               <logical-system-name>—Add logical system name to option-82.  
               <routing-instance-name>—Add routing instance name to option-82.

**<prefix-action> (configuration/firewall/family/inet)**

---

**Usage** <configuration>  
           <firewall>  
             <family>  
               <inet>  
                 <prefix-action>  
                   <name>*name*</name>   <!-- identifier -->  
                   <policer>*policer*</policer>  
                   <count/>  
                   <filter-specific/>  
                   <subnet-prefix-length>*subnet-prefix-length*</subnet-prefix-length>  
                   <source-prefix-length>*source-prefix-length*</source-prefix-length>  
                   <destination-prefix-length>*destination-prefix-length*  
                     </destination-prefix-length>  
                 </prefix-action>  
               </inet>  
             </family>  
           </firewall>  
         </configuration>

**Description** Define a prefix action.

**Contents** <count>—Enable counters.

<destination-prefix-length>—Destination prefix range.

<filter-specific>—Filter specific, else term specific.

<name>—Prefix action name.

<policer>—Police the packet using a set of named policer.

<source-prefix-length>—Source prefix range.

<subnet-prefix-length>—Prefix length for the total address range.

## <prefix-action> (configuration/logical-systems/firewall/family/inet)

---

**Usage** <configuration>  
     <logical-systems>  
         <firewall>  
             <family>  
                 <inet>  
                     <prefix-action>  
                         <name>*name*</name>   <!-- identifier -->  
                         <policer>*policer*</policer>  
                         <count/>  
                         <filter-specific/>  
                         <subnet-prefix-length>*subnet-prefix-length*</subnet-prefix-length>  
                         <source-prefix-length>*source-prefix-length*</source-prefix-length>  
                         <destination-prefix-length>*destination-prefix-length*  
                             </destination-prefix-length>  
                     </prefix-action>  
                 </inet>  
             </family>  
         </firewall>  
     </logical-systems>  
</configuration>

**Description** Define a prefix action.

**Contents** <count>—Enable counters.

<destination-prefix-length>—Destination prefix range.

<filter-specific>—Filter specific, else term specific.

<name>—Prefix action name.

<policer>—Police the packet using a set of named policer.

<source-prefix-length>—Source prefix range.

<subnet-prefix-length>—Prefix length for the total address range.

## **<prefix-based> (configuration/logical-systems/protocols/bgp/group/neighbor/outbound-route-filter)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <bgp>  
           <group>  
           <neighbor>  
           <outbound-route-filter>  
             **<prefix-based>**  
               <accept>...</accept>  
             **</prefix-based>**  
           </outbound-route-filter>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </logical-systems>  
         </configuration>

**Description** Prefix-based outbound route filtering.

**Contents** <accept>—Honor Prefix-based ORFs from remote peers.

## **<prefix-based> (configuration/logical-systems/protocols/bgp/group/outbound-route-filter)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <bgp>  
           <group>  
           <outbound-route-filter>  
             **<prefix-based>**  
               <accept>...</accept>  
             **</prefix-based>**  
           </outbound-route-filter>  
           </group>  
           </bgp>  
           </protocols>  
           </logical-systems>  
         </configuration>

**Description** Prefix-based outbound route filtering.

**Contents** <accept>—Honor Prefix-based ORFs from remote peers.

## **<prefix-based> (configuration/logical-systems/protocols/bgp/outbound-route-filter)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <bgp>  
           <outbound-route-filter>  
           **<prefix-based>**  
           <accept>...</accept>  
           **</prefix-based>**  
           </outbound-route-filter>  
           </bgp>  
           </protocols>  
           </logical-systems>  
           </configuration>

**Description** Prefix-based outbound route filtering.

**Contents** <accept>—Honor Prefix-based ORFs from remote peers.

## **<prefix-based> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/neighbor/outbound-route-filter)**

---

**Usage** <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <neighbor>  
           <outbound-route-filter>  
           **<prefix-based>**  
           <accept>...</accept>  
           **</prefix-based>**  
           </outbound-route-filter>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description** Prefix-based outbound route filtering.

**Contents** <accept>—Honor Prefix-based ORFs from remote peers.

## **<prefix-based> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/outbound-route-filter)**

---

**Usage** <configuration>  
 <logical-systems>  
 <routing-instances>  
 <instance>  
 <protocols>  
 <bgp>  
 <group>  
 <outbound-route-filter>  
   **<prefix-based>**  
     <accept>...</accept>  
   **</prefix-based>**  
 </outbound-route-filter>  
 </group>  
 </bgp>  
 </protocols>  
 </instance>  
 </routing-instances>  
 </logical-systems>  
 </configuration>

**Description** Prefix-based outbound route filtering.

**Contents** <accept>—Honor Prefix-based ORFs from remote peers.

## **<prefix-based> (configuration/logical-systems/routing-instances/instance/protocols/bgp/outbound-route-filter)**

---

**Usage** <configuration>  
 <logical-systems>  
 <routing-instances>  
 <instance>  
 <protocols>  
 <bgp>  
 <outbound-route-filter>  
   **<prefix-based>**  
     <accept>...</accept>  
   **</prefix-based>**  
 </outbound-route-filter>  
 </bgp>  
 </protocols>  
 </instance>  
 </routing-instances>  
 </logical-systems>  
 </configuration>

**Description** Prefix-based outbound route filtering.

**Contents** <accept>—Honor Prefix-based ORFs from remote peers.



## **<prefix-based> (configuration/protocols/bgp/group/neighbor/ outbound-route-filter)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <group>  
                 <neighbor>  
                   <outbound-route-filter>  
                     **<prefix-based>**  
                       <accept>...</accept>  
                     **</prefix-based>**  
                   </outbound-route-filter>  
                 </neighbor>  
               </group>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Prefix-based outbound route filtering.

**Contents** <accept>—Honor Prefix-based ORFs from remote peers.

## **<prefix-based> (configuration/protocols/bgp/group/ outbound-route-filter)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <group>  
                 <outbound-route-filter>  
                   **<prefix-based>**  
                     <accept>...</accept>  
                   **</prefix-based>**  
                 </outbound-route-filter>  
               </group>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Prefix-based outbound route filtering.

**Contents** <accept>—Honor Prefix-based ORFs from remote peers.

## **<prefix-based> (configuration/protocols/bgp/outbound-route-filter)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <outbound-route-filter>  
                 **<prefix-based>**  
                   <accept>...</accept>  
                 **</prefix-based>**  
               </outbound-route-filter>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Prefix-based outbound route filtering.

**Contents** <accept>—Honor Prefix-based ORFs from remote peers.

## **<prefix-based> (configuration/routing-instances/instance/protocols/bgp/group/neighbor/outbound-route-filter)**

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <protocols>  
                 <bgp>  
                   <group>  
                     <neighbor>  
                       <outbound-route-filter>  
                         **<prefix-based>**  
                           <accept>...</accept>  
                         **</prefix-based>**  
                       </outbound-route-filter>  
                     </neighbor>  
                   </group>  
                 </bgp>  
               </protocols>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** Prefix-based outbound route filtering.

**Contents** <accept>—Honor Prefix-based ORFs from remote peers.

## **<prefix-based> (configuration/routing-instances/instance/protocols/bgp/group/outbound-route-filter)**

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <protocols>  
                 <bgp>  
                   <group>  
                     <outbound-route-filter>  
                       **<prefix-based>**  
                         <accept>...</accept>  
                       **</prefix-based>**  
                     </outbound-route-filter>  
                   </group>  
                 </bgp>  
               </protocols>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** Prefix-based outbound route filtering.

**Contents** <accept>—Honor Prefix-based ORFs from remote peers.

## **<prefix-based> (configuration/routing-instances/instance/protocols/bgp/outbound-route-filter)**

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <protocols>  
                 <bgp>  
                   <outbound-route-filter>  
                     **<prefix-based>**  
                       <accept>...</accept>  
                     **</prefix-based>**  
                   </outbound-route-filter>  
                 </bgp>  
               </protocols>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** Prefix-based outbound route filtering.

**Contents** <accept>—Honor Prefix-based ORFs from remote peers.

## **<prefix-limit> (configuration/logical-systems/protocols/bgp/family/inet/any)**

---

**Usage**   <configuration>  
               <logical-systems>  
                   <protocols>  
                       <bgp>  
                           <family>  
                               <inet>  
                                   <any>  
                                       **<prefix-limit>**  
   <maximum>*maximum*</maximum>   <!-- mandatory -->  
   <teardown>...</teardown>  
                                       **</prefix-limit>**  
                                   </any>  
                               </inet>  
                           </family>  
                       </bgp>  
                   </protocols>  
               </logical-systems>  
           </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/protocols/bgp/family/inet/flow)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <protocols>  
               <bgp>  
               <family>  
               <inet>  
               <flow>  
                   **<prefix-limit>**  
                   <maximum>*maximum*</maximum>   <!-- mandatory -->  
                   <teardown>...</teardown>  
                   **</prefix-limit>**  
               </flow>  
               </inet>  
               </family>  
               </bgp>  
               </protocols>  
               </logical-systems>  
               </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

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

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <family>  
          <inet>  
          <labeled-unicast>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>    <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </labeled-unicast>  
          </inet>  
          </family>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**    <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/protocols/bgp/family/inet/multicast)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <protocols>  
               <bgp>  
               <family>  
               <inet>  
               <multicast>  
                   **<prefix-limit>**  
                     <maximum>*maximum*</maximum>   <!-- mandatory -->  
                     <teardown>...</teardown>  
                   **</prefix-limit>**  
               </multicast>  
               </inet>  
               </family>  
               </bgp>  
               </protocols>  
               </logical-systems>  
               </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

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

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <family>  
          <inet>  
          <unicast>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>    <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </unicast>  
          </inet>  
          </family>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

          <teardown>—Clear peer connection on reaching limit.



## **<prefix-limit> (configuration/logical-systems/protocols/bgp/family/inet-mvpn/signaling)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <protocols>  
               <bgp>  
               <family>  
               <inet-mvpn>  
               <signaling>  
               **<prefix-limit>**  
                   <maximum>*maximum*</maximum>   <!-- mandatory -->  
                   <teardown>...</teardown>  
               **</prefix-limit>**  
               </signaling>  
               </inet-mvpn>  
               </family>  
               </bgp>  
               </protocols>  
               </logical-systems>  
               </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/logical-systems/protocols/bgp/  
family/inet-vpn/any)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <family>  
          <inet-vpn>  
          <any>  
          **<prefix-limit>**  
            <maximum>*maximum*</maximum>    <!-- mandatory -->  
            <teardown>...</teardown>  
          **</prefix-limit>**  
          </any>  
          </inet-vpn>  
          </family>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**    <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/protocols/bgp/family/inet-vpn/flow)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <protocols>  
               <bgp>  
               <family>  
               <inet-vpn>  
               <flow>  
                   **<prefix-limit>**  
                     <maximum>*maximum*</maximum>   <!-- mandatory -->  
                     <teardown>...</teardown>  
                   **</prefix-limit>**  
               </flow>  
               </inet-vpn>  
               </family>  
               </bgp>  
               </protocols>  
               </logical-systems>  
               </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/logical-systems/protocols/bgp/family/inet-vpn/multicast)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <family>  
          <inet-vpn>  
          <multicast>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>    <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </multicast>  
          </inet-vpn>  
          </family>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

          <teardown>—Clear peer connection on reaching limit.

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

---

**Usage**   <configuration>  
               <logical-systems>  
               <protocols>  
               <bgp>  
               <family>  
               <inet-vpn>  
               <unicast>  
                   **<prefix-limit>**  
                     <maximum>*maximum*</maximum>   <!-- mandatory -->  
                     <teardown>...</teardown>  
                   **</prefix-limit>**  
               </unicast>  
               </inet-vpn>  
               </family>  
               </bgp>  
               </protocols>  
               </logical-systems>  
               </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/logical-systems/protocols/bgp/  
family/inet6/any)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <family>  
          <inet6>  
          <any>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>    <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </any>  
          </inet6>  
          </family>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**    <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

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

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <family>  
          <inet6>  
          <labeled-unicast>  
          **<prefix-limit>**  
          <maximum>*maximum*</maximum>   <!-- mandatory -->  
          <teardown>...</teardown>  
          **</prefix-limit>**  
          </labeled-unicast>  
          </inet6>  
          </family>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

          <teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/logical-systems/protocols/bgp/family/inet6/multicast)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <family>  
          <inet6>  
          <multicast>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>   <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </multicast>  
          </inet6>  
          </family>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

          <teardown>—Clear peer connection on reaching limit.



**<prefix-limit> (configuration/logical-systems/protocols/bgp/  
family/inet6/unicast)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <family>  
          <inet6>  
          <unicast>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>    <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </unicast>  
          </inet6>  
          </family>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.  
              <teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/logical-systems/protocols/bgp/family/inet6-mvpn/signaling)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <family>  
          <inet6-mvpn>  
          <signaling>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>    <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </signaling>  
          </inet6-mvpn>  
          </family>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

          <teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/logical-systems/protocols/bgp/ family/inet6-vpn/any)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <protocols>  
               <bgp>  
               <family>  
               <inet6-vpn>  
               <any>  
                   **<prefix-limit>**  
                     <maximum>*maximum*</maximum>   <!-- mandatory -->  
                     <teardown>...</teardown>  
                   **</prefix-limit>**  
               </any>  
               </inet6-vpn>  
               </family>  
               </bgp>  
               </protocols>  
               </logical-systems>  
               </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.  
               <teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/logical-systems/protocols/bgp/family/inet6-vpn/multicast)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <family>  
          <inet6-vpn>  
          <multicast>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>    <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </multicast>  
          </inet6-vpn>  
          </family>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

          <teardown>—Clear peer connection on reaching limit.

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

---

**Usage**   <configuration>  
               <logical-systems>  
               <protocols>  
               <bgp>  
               <family>  
               <inet6-vpn>  
               <unicast>  
                   **<prefix-limit>**  
                     <maximum>*maximum*</maximum>   <!-- mandatory -->  
                     <teardown>...</teardown>  
                   **</prefix-limit>**  
               </unicast>  
               </inet6-vpn>  
               </family>  
               </bgp>  
               </protocols>  
               </logical-systems>  
               </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/protocols/bgp/family/iso-vpn/unicast)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <family>  
          <iso-vpn>  
          <unicast>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>   <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </unicast>  
          </iso-vpn>  
          </family>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**    <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/protocols/bgp/family/l2vpn/signaling)**

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <bgp>  
                 <family>  
                   <l2vpn>  
                     <signaling>  
                       **<prefix-limit>**  
                         <maximum>*maximum*</maximum>   <!-- mandatory -->  
                         <teardown>...</teardown>  
                       **</prefix-limit>**  
                     </signaling>  
                   </l2vpn>  
                 </family>  
               </bgp>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/protocols/bgp/family/route-target)**

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <bgp>  
                 <family>  
                   <route-target>  
                     **<prefix-limit>**  
                       <maximum>*maximum*</maximum>   <!-- mandatory -->  
                       <teardown>...</teardown>  
                     **</prefix-limit>**  
                   </route-target>  
                 </family>  
               </bgp>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/logical-systems/protocols/bgp/  
group/family/inet/any)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet>  
          <any>  
            **<prefix-limit>**  
            <maximum>*maximum*</maximum>   <!-- mandatory -->  
            <teardown>...</teardown>  
            **</prefix-limit>**  
          </any>  
          </inet>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.  
              <teardown>—Clear peer connection on reaching limit.



## **<prefix-limit> (configuration/logical-systems/protocols/bgp/ group/family/inet/flow)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <protocols>  
           <bgp>  
           <group>  
           <family>  
           <inet>  
           <flow>  
           **<prefix-limit>**  
           <maximum>*maximum*</maximum>   <!-- mandatory -->  
           <teardown>...</teardown>  
           **</prefix-limit>**  
           </flow>  
           </inet>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </logical-systems>  
           </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

          <teardown>—Clear peer connection on reaching limit.

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

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet>  
          <labeled-unicast>  
          **<prefix-limit>**  
            <maximum>*maximum*</maximum>   <!-- mandatory -->  
            <teardown>...</teardown>  
          **</prefix-limit>**  
          </labeled-unicast>  
          </inet>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.  
              <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/protocols/bgp/group/family/inet/multicast)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <protocols>  
               <bgp>  
               <group>  
               <family>  
               <inet>  
               <multicast>  
                   **<prefix-limit>**  
                     <maximum>*maximum*</maximum>   <!-- mandatory -->  
                     <teardown>...</teardown>  
                   **</prefix-limit>**  
               </multicast>  
               </inet>  
               </family>  
               </group>  
               </bgp>  
               </protocols>  
               </logical-systems>  
               </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <family>
            <inet>
              <unicast>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </unicast>
            </inet>
          </family>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/protocols/bgp/group/family/inet-mvpn/signaling)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <protocols>  
               <bgp>  
               <group>  
               <family>  
               <inet-mvpn>  
               <signaling>  
                   **<prefix-limit>**  
                     <maximum>*maximum*</maximum>   <!-- mandatory -->  
                     <teardown>...</teardown>  
                   **</prefix-limit>**  
               </signaling>  
               </inet-mvpn>  
               </family>  
               </group>  
               </bgp>  
               </protocols>  
               </logical-systems>  
               </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/logical-systems/protocols/bgp/  
group/family/inet-vpn/any)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet-vpn>  
          <any>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>    <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </any>  
          </inet-vpn>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**    <maximum>—Maximum number of prefixes from a peer.  
              <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/protocols/bgp/group/family/inet-vpn/flow)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <family>
            <inet-vpn>
              <flow>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </flow>
            </inet-vpn>
          </family>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/protocols/bgp/group/family/inet-vpn/multicast)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <family>
            <inet-vpn>
              <multicast>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </multicast>
            </inet-vpn>
          </family>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.



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

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <family>
            <inet-vpn>
              <unicast>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </unicast>
            </inet-vpn>
          </family>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/logical-systems/protocols/bgp/  
group/family/inet6/any)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet6>  
          <any>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>   <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </any>  
          </inet6>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**    <maximum>—Maximum number of prefixes from a peer.  
              <teardown>—Clear peer connection on reaching limit.

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

---

**Usage**   <configuration>  
               <logical-systems>  
               <protocols>  
               <bgp>  
               <group>  
               <family>  
               <inet6>  
               <labeled-unicast>  
                   **<prefix-limit>**  
                   <maximum>*maximum*</maximum>   <!-- mandatory -->  
                   <teardown>...</teardown>  
                   **</prefix-limit>**  
               </labeled-unicast>  
               </inet6>  
               </family>  
               </group>  
               </bgp>  
               </protocols>  
               </logical-systems>  
               </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/logical-systems/protocols/bgp/  
group/family/inet6/multicast)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet6>  
          <multicast>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>    <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </multicast>  
          </inet6>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.  
              <teardown>—Clear peer connection on reaching limit.

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

---

**Usage**   <configuration>  
           <logical-systems>  
           <protocols>  
           <bgp>  
           <group>  
           <family>  
           <inet6>  
           <unicast>  
             **<prefix-limit>**  
               <maximum>*maximum*</maximum>   <!-- mandatory -->  
               <teardown>...</teardown>  
             **</prefix-limit>**  
           </unicast>  
           </inet6>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </logical-systems>  
         </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

          <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/protocols/bgp/group/family/inet6-mvpn/signaling)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <family>
            <inet6-mvpn>
              <signaling>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </signaling>
            </inet6-mvpn>
          </family>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/logical-systems/protocols/bgp/  
group/family/inet6-vpn/any)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet6-vpn>  
          <any>  
            **<prefix-limit>**  
            <maximum>*maximum*</maximum>   <!-- mandatory -->  
            <teardown>...</teardown>  
            **</prefix-limit>**  
          </any>  
          </inet6-vpn>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.  
  
              <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/protocols/bgp/group/family/inet6-vpn/multicast)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <family>
            <inet6-vpn>
              <multicast>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </multicast>
            </inet6-vpn>
          </family>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.



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

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <family>
            <inet6-vpn>
              <unicast>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </unicast>
            </inet6-vpn>
          </family>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/logical-systems/protocols/bgp/  
group/family/iso-vpn/unicast)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <iso-vpn>  
          <unicast>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>   <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </unicast>  
          </iso-vpn>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.  
              <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/protocols/bgp/group/family/l2vpn/signaling)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <family>
            <l2vpn>
              <signaling>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </signaling>
            </l2vpn>
          </family>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/protocols/bgp/group/family/route-target)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <route-target>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>    <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </route-target>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

          <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/protocols/bgp/ group/neighbor/family/inet/any)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <protocols>  
           <bgp>  
           <group>  
           <neighbor>  
           <family>  
           <inet>  
           <any>  
               **<prefix-limit>**  
                   <maximum>*maximum*</maximum>   <!-- mandatory -->  
                   <teardown>...</teardown>  
               **</prefix-limit>**  
           </any>  
           </inet>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </logical-systems>  
           </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

          <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/protocols/bgp/group/neighbor/family/inet/flow)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet>
                <flow>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </flow>
              </inet>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet>
                <labeled-unicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </labeled-unicast>
              </inet>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/protocols/bgp/group/neighbor/family/inet/multicast)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet>
                <multicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </multicast>
              </inet>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.



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

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet>
                <unicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </unicast>
              </inet>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/protocols/bgp/group/neighbor/family/inet-mvpn/signaling)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet-mvpn>
                <signaling>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </signaling>
              </inet-mvpn>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/protocols/bgp/group/neighbor/family/inet-vpn/any)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet-vpn>
                <any>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </any>
              </inet-vpn>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/protocols/bgp/group/neighbor/family/inet-vpn/flow)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet-vpn>
                <flow>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </flow>
              </inet-vpn>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/protocols/bgp/group/neighbor/family/inet-vpn/multicast)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet-vpn>
                <multicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </multicast>
              </inet-vpn>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet-vpn>
                <unicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </unicast>
              </inet-vpn>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/protocols/bgp/ group/neighbor/family/inet6/any)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet6>
                <any>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </any>
              </inet6>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet6>
                <labeled-unicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </labeled-unicast>
              </inet6>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.



## **<prefix-limit> (configuration/logical-systems/protocols/bgp/group/neighbor/family/inet6/multicast)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet6>
                <multicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </multicast>
              </inet6>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet6>
                <unicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </unicast>
              </inet6>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/protocols/bgp/group/neighbor/family/inet6-mvpn/signaling)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet6-mvpn>
                <signaling>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </signaling>
              </inet6-mvpn>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/protocols/bgp/group/neighbor/family/inet6-vpn/any)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet6-vpn>
                <any>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </any>
              </inet6-vpn>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/protocols/bgp/group/neighbor/family/inet6-vpn/multicast)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet6-vpn>
                <multicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </multicast>
              </inet6-vpn>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet6-vpn>
                <unicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </unicast>
              </inet6-vpn>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/protocols/bgp/group/neighbor/family/iso-vpn/unicast)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <iso-vpn>
                <unicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </unicast>
              </iso-vpn>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <l2vpn>
                <signaling>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </signaling>
              </l2vpn>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.



## **<prefix-limit> (configuration/logical-systems/protocols/bgp/group/neighbor/family/route-target)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <route-target>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </route-target>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/family/inet/any)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <family>
              <inet>
                <any>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </any>
              </inet>
            </family>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/family/inet/flow)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <family>
              <inet>
                <flow>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </flow>
              </inet>
            </family>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <family>
              <inet>
                <labeled-unicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </labeled-unicast>
              </inet>
            </family>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/family/inet/multicast)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <family>
              <inet>
                <multicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </multicast>
              </inet>
            </family>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <family>
              <inet>
                <unicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </unicast>
              </inet>
            </family>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/family/inet-mvpn/signaling)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <family>
              <inet-mvpn>
                <signaling>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </signaling>
              </inet-mvpn>
            </family>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/family/inet-vpn/any)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <family>
              <inet-vpn>
                <any>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </any>
              </inet-vpn>
            </family>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.



## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/family/inet-vpn/flow)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <protocols>  
                     <bgp>  
                         <family>  
                             <inet-vpn>  
                                 <flow>  
                                     **<prefix-limit>**  
   <maximum>*maximum*</maximum>   <!-- mandatory -->  
   <teardown>...</teardown>  
                                     **</prefix-limit>**  
                                 </flow>  
                             </inet-vpn>  
                         </family>  
                     </bgp>  
                 </protocols>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/family/inet-vpn/multicast)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <family>
              <inet-vpn>
                <multicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </multicast>
              </inet-vpn>
            </family>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <family>
              <inet-vpn>
                <unicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </unicast>
              </inet-vpn>
            </family>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/family/inet6/any)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <family>
              <inet6>
                <any>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </any>
              </inet6>
            </family>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <family>
              <inet6>
                <labeled-unicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </labeled-unicast>
              </inet6>
            </family>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/family/inet6/multicast)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <family>
              <inet6>
                <multicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </multicast>
              </inet6>
            </family>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <family>  
           <inet6>  
           <unicast>  
             **<prefix-limit>**  
               <maximum>*maximum*</maximum>    <!-- mandatory -->  
               <teardown>...</teardown>  
             **</prefix-limit>**  
           </unicast>  
           </inet6>  
           </family>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

          <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/family/inet6-mvpn/signaling)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <family>
              <inet6-mvpn>
                <signaling>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </signaling>
              </inet6-mvpn>
            </family>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.



## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/family/inet6-vpn/any)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <routing-instances>  
               <instance>  
               <protocols>  
               <bgp>  
               <family>  
               <inet6-vpn>  
               <any>  
                   **<prefix-limit>**  
                     <maximum>*maximum*</maximum>   <!-- mandatory -->  
                     <teardown>...</teardown>  
                   **</prefix-limit>**  
               </any>  
               </inet6-vpn>  
               </family>  
               </bgp>  
               </protocols>  
               </instance>  
               </routing-instances>  
               </logical-systems>  
               </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/family/inet6-vpn/multicast)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <family>
              <inet6-vpn>
                <multicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </multicast>
              </inet6-vpn>
            </family>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <family>
              <inet6-vpn>
                <unicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </unicast>
              </inet6-vpn>
            </family>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/family/iso-vpn/unicast)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <family>
              <iso-vpn>
                <unicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </unicast>
              </iso-vpn>
            </family>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <family>  
           <l2vpn>  
           <signaling>  
             **<prefix-limit>**  
               <maximum>*maximum*</maximum>   <!-- mandatory -->  
               <teardown>...</teardown>  
             **</prefix-limit>**  
           </signaling>  
           </l2vpn>  
           </family>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

          <teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/family/route-target)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <bgp>  
          <family>  
          <route-target>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>   <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </route-target>  
          </family>  
          </bgp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**    <maximum>—Maximum number of prefixes from a peer.  
              <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/family/inet/any)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <family>  
           <inet>  
           <any>  
               **<prefix-limit>**  
                   <maximum>*maximum*</maximum>   <!-- mandatory -->  
                   <teardown>...</teardown>  
               **</prefix-limit>**  
               </any>  
               </inet>  
               </family>  
               </group>  
               </bgp>  
               </protocols>  
               </instance>  
               </routing-instances>  
               </logical-systems>  
               </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

          <teardown>—Clear peer connection on reaching limit.

## <prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/family/inet/flow)

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <family>
                <inet>
                  <flow>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </flow>
                </inet>
              </family>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.



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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <family>
                <inet>
                  <labeled-unicast>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </labeled-unicast>
                </inet>
              </family>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/family/inet/multicast)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <family>
                <inet>
                  <multicast>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </multicast>
                </inet>
              </family>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <family>
                <inet>
                  <unicast>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </unicast>
                </inet>
              </family>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/family/inet-mvpn/signaling)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <family>
                <inet-mvpn>
                  <signaling>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </signaling>
                </inet-mvpn>
              </family>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/family/inet-vpn/any)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <family>
                <inet-vpn>
                  <any>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </any>
                </inet-vpn>
              </family>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/family/inet-vpn/flow)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <family>
                <inet-vpn>
                  <flow>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </flow>
                </inet-vpn>
              </family>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/family/inet-vpn/multicast)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <family>
                <inet-vpn>
                  <multicast>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </multicast>
                </inet-vpn>
              </family>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <family>
                <inet-vpn>
                  <unicast>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </unicast>
                </inet-vpn>
              </family>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.



## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/family/inet6/any)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <family>  
           <inet6>  
           <any>  
               **<prefix-limit>**  
                   <maximum>*maximum*</maximum>   <!-- mandatory -->  
                   <teardown>...</teardown>  
               **</prefix-limit>**  
               </any>  
               </inet6>  
               </family>  
               </group>  
               </bgp>  
               </protocols>  
               </instance>  
               </routing-instances>  
               </logical-systems>  
               </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

          <teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <family>
                <inet6>
                  <labeled-unicast>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </labeled-unicast>
                </inet6>
              </family>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/family/inet6/multicast)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <family>  
           <inet6>  
           <multicast>  
               **<prefix-limit>**  
                   <maximum>*maximum*</maximum>   <!-- mandatory -->  
                   <teardown>...</teardown>  
               **</prefix-limit>**  
           </multicast>  
           </inet6>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

          <teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <family>
                <inet6>
                  <unicast>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </unicast>
                </inet6>
              </family>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/family/inet6-mvpn/signaling)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <family>
                <inet6-mvpn>
                  <signaling>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </signaling>
                </inet6-mvpn>
              </family>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/family/inet6-vpn/any)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <family>
                <inet6-vpn>
                  <any>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </any>
                </inet6-vpn>
              </family>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/family/inet6-vpn/multicast)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <family>
                <inet6-vpn>
                  <multicast>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </multicast>
                </inet6-vpn>
              </family>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <family>
                <inet6-vpn>
                  <unicast>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </unicast>
                </inet6-vpn>
              </family>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.



## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/family/iso-vpn/unicast)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <family>
                <iso-vpn>
                  <unicast>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </unicast>
                </iso-vpn>
              </family>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <family>
                <l2vpn>
                  <signaling>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </signaling>
                </l2vpn>
              </family>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/family/route-target)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <family>
                <route-target>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </route-target>
              </family>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <neighbor>
                <family>
                  <inet>
                    <any>
                      <prefix-limit>
                        <maximum>maximum</maximum>    <!-- mandatory -->
                        <teardown>...</teardown>
                      </prefix-limit>
                    </any>
                  </inet>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <neighbor>  
           <family>  
           <inet>  
           <flow>  
               **<prefix-limit>**  
                   <maximum>*maximum*</maximum>   <!-- mandatory -->  
                   <teardown>...</teardown>  
               **</prefix-limit>**  
               </flow>  
           </inet>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

          <teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <neighbor>
                <family>
                  <inet>
                    <labeled-unicast>
                      <prefix-limit>
                        <maximum>maximum</maximum>    <!-- mandatory -->
                        <teardown>...</teardown>
                      </prefix-limit>
                    </labeled-unicast>
                  </inet>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <protocols>  
                     <bgp>  
                         <group>  
                             <neighbor>  
                                 <family>  
                                     <inet>  
   <multicast>  
   **<prefix-limit>**  
   <maximum>*maximum*</maximum>   <!-- mandatory -->  
   <teardown>...</teardown>  
   **</prefix-limit>**  
   </multicast>  
                                     </inet>  
                                 </family>  
                             </neighbor>  
                         </group>  
                     </bgp>  
                 </protocols>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <neighbor>
                <family>
                  <inet>
                    <unicast>
                      <prefix-limit>
                        <maximum>maximum</maximum>    <!-- mandatory -->
                        <teardown>...</teardown>
                      </prefix-limit>
                    </unicast>
                  </inet>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.



## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/neighbor/family/inet-mvpn/signaling)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <neighbor>  
           <family>  
           <inet-mvpn>  
           <signaling>  
             **<prefix-limit>**  
               <maximum>*maximum*</maximum>   <!-- mandatory -->  
               <teardown>...</teardown>  
             **</prefix-limit>**  
           </signaling>  
           </inet-mvpn>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

          <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/neighbor/family/inet-vpn/any)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <neighbor>
                <family>
                  <inet-vpn>
                    <any>
                      <prefix-limit>
                        <maximum>maximum</maximum>    <!-- mandatory -->
                        <teardown>...</teardown>
                      </prefix-limit>
                    </any>
                  </inet-vpn>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/neighbor/family/inet-vpn/flow)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <routing-instances>  
               <instance>  
               <protocols>  
               <bgp>  
               <group>  
               <neighbor>  
               <family>  
               <inet-vpn>  
               <flow>  
                   **<prefix-limit>**  
                     <maximum>*maximum*</maximum>   <!-- mandatory -->  
                     <teardown>...</teardown>  
                   **</prefix-limit>**  
               </flow>  
               </inet-vpn>  
               </family>  
               </neighbor>  
               </group>  
               </bgp>  
               </protocols>  
               </instance>  
               </routing-instances>  
               </logical-systems>  
               </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/neighbor/family/inet-vpn/multicast)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <neighbor>
                <family>
                  <inet-vpn>
                    <multicast>
                      <prefix-limit>
                        <maximum>maximum</maximum>    <!-- mandatory -->
                        <teardown>...</teardown>
                      </prefix-limit>
                    </multicast>
                  </inet-vpn>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <neighbor>
                <family>
                  <inet-vpn>
                    <unicast>
                      <prefix-limit>
                        <maximum>maximum</maximum>    <!-- mandatory -->
                        <teardown>...</teardown>
                      </prefix-limit>
                    </unicast>
                  </inet-vpn>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <neighbor>
                <family>
                  <inet6>
                    <any>
                      <prefix-limit>
                        <maximum>maximum</maximum>    <!-- mandatory -->
                        <teardown>...</teardown>
                      </prefix-limit>
                    </any>
                  </inet6>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <neighbor>
                <family>
                  <inet6>
                    <labeled-unicast>
                      <prefix-limit>
                        <maximum>maximum</maximum>    <!-- mandatory -->
                        <teardown>...</teardown>
                      </prefix-limit>
                    </labeled-unicast>
                  </inet6>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <neighbor>
                <family>
                  <inet6>
                    <multicast>
                      <prefix-limit>
                        <maximum>maximum</maximum>    <!-- mandatory -->
                        <teardown>...</teardown>
                      </prefix-limit>
                    </multicast>
                  </inet6>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.



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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <neighbor>
                <family>
                  <inet6>
                    <unicast>
                      <prefix-limit>
                        <maximum>maximum</maximum>    <!-- mandatory -->
                        <teardown>...</teardown>
                      </prefix-limit>
                    </unicast>
                  </inet6>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/neighbor/family/inet6-mvpn/signaling)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <neighbor>
                <family>
                  <inet6-mvpn>
                    <signaling>
                      <prefix-limit>
                        <maximum>maximum</maximum>    <!-- mandatory -->
                        <teardown>...</teardown>
                      </prefix-limit>
                    </signaling>
                  </inet6-mvpn>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/neighbor/family/inet6-vpn/any)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <protocols>  
                     <bgp>  
                         <group>  
                             <neighbor>  
                                 <family>  
                                     <inet6-vpn>  
   <any>  
   **<prefix-limit>**  
   <maximum>*maximum*</maximum>   <!-- mandatory -->  
   <teardown>...</teardown>  
   **</prefix-limit>**  
   </any>  
                                     </inet6-vpn>  
                                 </family>  
                             </neighbor>  
                         </group>  
                     </bgp>  
                 </protocols>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/neighbor/family/inet6-vpn/multicast)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <neighbor>
                <family>
                  <inet6-vpn>
                    <multicast>
                      <prefix-limit>
                        <maximum>maximum</maximum>    <!-- mandatory -->
                        <teardown>...</teardown>
                      </prefix-limit>
                    </multicast>
                  </inet6-vpn>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <neighbor>
                <family>
                  <inet6-vpn>
                    <unicast>
                      <prefix-limit>
                        <maximum>maximum</maximum>    <!-- mandatory -->
                        <teardown>...</teardown>
                      </prefix-limit>
                    </unicast>
                  </inet6-vpn>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## <prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/neighbor/family/iso-vpn/unicast)

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <neighbor>
                <family>
                  <iso-vpn>
                    <unicast>
                      <prefix-limit>
                        <maximum>maximum</maximum>    <!-- mandatory -->
                        <teardown>...</teardown>
                      </prefix-limit>
                    </unicast>
                  </iso-vpn>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <neighbor>  
           <family>  
           <l2vpn>  
           <signaling>  
             **<prefix-limit>**  
               <maximum>*maximum*</maximum>   <!-- mandatory -->  
               <teardown>...</teardown>  
             **</prefix-limit>**  
           </signaling>  
           </l2vpn>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

          <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/neighbor/family/route-target)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <neighbor>
                <family>
                  <route-target>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </route-target>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.



**<prefix-limit> (configuration/protocols/bgp/family/inet/any)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <family>  
                 <inet>  
                 <any>  
                   **<prefix-limit>**  
                     <maximum>*maximum*</maximum>   <!-- mandatory -->  
                     <teardown>...</teardown>  
                   **</prefix-limit>**  
                 </any>  
               </inet>  
             </family>  
           </bgp>  
         </protocols>  
       </configuration>

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/protocols/bgp/family/inet/flow)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <family>  
                 <inet>  
                 <flow>  
                   **<prefix-limit>**  
                     <maximum>*maximum*</maximum>   <!-- mandatory -->  
                     <teardown>...</teardown>  
                   **</prefix-limit>**  
                 </flow>  
               </inet>  
             </family>  
           </bgp>  
         </protocols>  
       </configuration>

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;bgp&gt;       &lt;family&gt;         &lt;inet&gt;           &lt;labeled-unicast&gt;             &lt;prefix-limit&gt;               &lt;maximum&gt;maximum&lt;/maximum&gt;    &lt;!-- mandatory --&gt;               &lt;teardown&gt;...&lt;/teardown&gt;             &lt;/prefix-limit&gt;           &lt;/labeled-unicast&gt;         &lt;/inet&gt;       &lt;/family&gt;     &lt;/bgp&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Limit maximum number of prefixes from a peer.
<b>Contents</b>	<p>&lt;maximum&gt;—Maximum number of prefixes from a peer.</p> <p>&lt;teardown&gt;—Clear peer connection on reaching limit.</p>

## **<prefix-limit> (configuration/protocols/bgp/family/inet/multicast)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;bgp&gt;       &lt;family&gt;         &lt;inet&gt;           &lt;multicast&gt;             &lt;prefix-limit&gt;               &lt;maximum&gt;maximum&lt;/maximum&gt;    &lt;!-- mandatory --&gt;               &lt;teardown&gt;...&lt;/teardown&gt;             &lt;/prefix-limit&gt;           &lt;/multicast&gt;         &lt;/inet&gt;       &lt;/family&gt;     &lt;/bgp&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Limit maximum number of prefixes from a peer.
<b>Contents</b>	<p>&lt;maximum&gt;—Maximum number of prefixes from a peer.</p> <p>&lt;teardown&gt;—Clear peer connection on reaching limit.</p>

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

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <family>  
                 <inet>  
                   <unicast>  
                     **<prefix-limit>**  
                       <maximum>*maximum*</maximum>   <!-- mandatory -->  
                       <teardown>...</teardown>  
                     **</prefix-limit>**  
                   </unicast>  
                 </inet>  
               </family>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/protocols/bgp/family/inet-mvpn/signaling)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <family>  
                 <inet-mvpn>  
                   <signaling>  
                     **<prefix-limit>**  
                       <maximum>*maximum*</maximum>   <!-- mandatory -->  
                       <teardown>...</teardown>  
                     **</prefix-limit>**  
                   </signaling>  
                 </inet-mvpn>  
               </family>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/protocols/bgp/family/inet-vpn/any)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <family>  
                 <inet-vpn>  
                   <any>  
                     **<prefix-limit>**  
                       <maximum>*maximum*</maximum>   <!-- mandatory -->  
                       <teardown>...</teardown>  
                     **</prefix-limit>**  
                   </any>  
                 </inet-vpn>  
               </family>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/protocols/bgp/family/inet-vpn/flow)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <family>  
                 <inet-vpn>  
                   <flow>  
                     **<prefix-limit>**  
                       <maximum>*maximum*</maximum>   <!-- mandatory -->  
                       <teardown>...</teardown>  
                     **</prefix-limit>**  
                   </flow>  
                 </inet-vpn>  
               </family>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/protocols/bgp/family/inet-vpn/multicast)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;bgp&gt;       &lt;family&gt;         &lt;inet-vpn&gt;           &lt;multicast&gt;             &lt;prefix-limit&gt;               &lt;maximum&gt;maximum&lt;/maximum&gt;    &lt;!-- mandatory --&gt;               &lt;teardown&gt;...&lt;/teardown&gt;             &lt;/prefix-limit&gt;           &lt;/multicast&gt;         &lt;/inet-vpn&gt;       &lt;/family&gt;     &lt;/bgp&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Limit maximum number of prefixes from a peer.
<b>Contents</b>	<p>&lt;maximum&gt;—Maximum number of prefixes from a peer.</p> <p>&lt;teardown&gt;—Clear peer connection on reaching limit.</p>

## **<prefix-limit> (configuration/protocols/bgp/family/inet-vpn/unicast)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;bgp&gt;       &lt;family&gt;         &lt;inet-vpn&gt;           &lt;unicast&gt;             &lt;prefix-limit&gt;               &lt;maximum&gt;maximum&lt;/maximum&gt;    &lt;!-- mandatory --&gt;               &lt;teardown&gt;...&lt;/teardown&gt;             &lt;/prefix-limit&gt;           &lt;/unicast&gt;         &lt;/inet-vpn&gt;       &lt;/family&gt;     &lt;/bgp&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Limit maximum number of prefixes from a peer.
<b>Contents</b>	<p>&lt;maximum&gt;—Maximum number of prefixes from a peer.</p> <p>&lt;teardown&gt;—Clear peer connection on reaching limit.</p>

**<prefix-limit> (configuration/protocols/bgp/family/inet6/any)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <family>  
                 <inet6>  
                   <any>  
                     **<prefix-limit>**  
                       <maximum>*maximum*</maximum>   <!-- mandatory -->  
                       <teardown>...</teardown>  
                     **</prefix-limit>**  
                   </any>  
                 </inet6>  
               </family>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <family>  
                 <inet6>  
                   <labeled-unicast>  
                     **<prefix-limit>**  
                       <maximum>*maximum*</maximum>   <!-- mandatory -->  
                       <teardown>...</teardown>  
                     **</prefix-limit>**  
                   </labeled-unicast>  
                 </inet6>  
               </family>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/protocols/bgp/family/inet6/multicast)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <family>  
                 <inet6>  
                   <multicast>  
                     **<prefix-limit>**  
                       <maximum>*maximum*</maximum>   <!-- mandatory -->  
                       <teardown>...</teardown>  
                     **</prefix-limit>**  
                   </multicast>  
                 </inet6>  
               </family>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/protocols/bgp/family/inet6/unicast)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <family>  
                 <inet6>  
                   <unicast>  
                     **<prefix-limit>**  
                       <maximum>*maximum*</maximum>   <!-- mandatory -->  
                       <teardown>...</teardown>  
                     **</prefix-limit>**  
                   </unicast>  
                 </inet6>  
               </family>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## <prefix-limit> (configuration/protocols/bgp/family/inet6-mvpn/signaling)

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <family>  
                 <inet6-mvpn>  
                   <signaling>  
                     **<prefix-limit>**  
                       <maximum>*maximum*</maximum>   <!-- mandatory -->  
                       <teardown>...</teardown>  
                     **</prefix-limit>**  
                   </signaling>  
                 </inet6-mvpn>  
               </family>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## <prefix-limit> (configuration/protocols/bgp/family/inet6-vpn/any)

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <family>  
                 <inet6-vpn>  
                   <any>  
                     **<prefix-limit>**  
                       <maximum>*maximum*</maximum>   <!-- mandatory -->  
                       <teardown>...</teardown>  
                     **</prefix-limit>**  
                   </any>  
                 </inet6-vpn>  
               </family>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.



## **<prefix-limit> (configuration/protocols/bgp/family/inet6-vpn/multicast)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;bgp&gt;       &lt;family&gt;         &lt;inet6-vpn&gt;           &lt;multicast&gt;             &lt;prefix-limit&gt;               &lt;maximum&gt;maximum&lt;/maximum&gt;    &lt;!-- mandatory --&gt;               &lt;teardown&gt;...&lt;/teardown&gt;             &lt;/prefix-limit&gt;           &lt;/multicast&gt;         &lt;/inet6-vpn&gt;       &lt;/family&gt;     &lt;/bgp&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Limit maximum number of prefixes from a peer.
<b>Contents</b>	<p>&lt;maximum&gt;—Maximum number of prefixes from a peer.</p> <p>&lt;teardown&gt;—Clear peer connection on reaching limit.</p>

## **<prefix-limit> (configuration/protocols/bgp/family/inet6-vpn/unicast)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;bgp&gt;       &lt;family&gt;         &lt;inet6-vpn&gt;           &lt;unicast&gt;             &lt;prefix-limit&gt;               &lt;maximum&gt;maximum&lt;/maximum&gt;    &lt;!-- mandatory --&gt;               &lt;teardown&gt;...&lt;/teardown&gt;             &lt;/prefix-limit&gt;           &lt;/unicast&gt;         &lt;/inet6-vpn&gt;       &lt;/family&gt;     &lt;/bgp&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Limit maximum number of prefixes from a peer.
<b>Contents</b>	<p>&lt;maximum&gt;—Maximum number of prefixes from a peer.</p> <p>&lt;teardown&gt;—Clear peer connection on reaching limit.</p>

## <prefix-limit> (configuration/protocols/bgp/family/iso-vpn/unicast)

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;bgp&gt;       &lt;family&gt;         &lt;iso-vpn&gt;           &lt;unicast&gt;             &lt;prefix-limit&gt;               &lt;maximum&gt;maximum&lt;/maximum&gt;    &lt;!-- mandatory --&gt;               &lt;teardown&gt;...&lt;/teardown&gt;             &lt;/prefix-limit&gt;           &lt;/unicast&gt;         &lt;/iso-vpn&gt;       &lt;/family&gt;     &lt;/bgp&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Limit maximum number of prefixes from a peer.
<b>Contents</b>	<p>&lt;maximum&gt;—Maximum number of prefixes from a peer.</p> <p>&lt;teardown&gt;—Clear peer connection on reaching limit.</p>

## <prefix-limit> (configuration/protocols/bgp/family/l2vpn/signaling)

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;bgp&gt;       &lt;family&gt;         &lt;l2vpn&gt;           &lt;signaling&gt;             &lt;prefix-limit&gt;               &lt;maximum&gt;maximum&lt;/maximum&gt;    &lt;!-- mandatory --&gt;               &lt;teardown&gt;...&lt;/teardown&gt;             &lt;/prefix-limit&gt;           &lt;/signaling&gt;         &lt;/l2vpn&gt;       &lt;/family&gt;     &lt;/bgp&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Limit maximum number of prefixes from a peer.
<b>Contents</b>	<p>&lt;maximum&gt;—Maximum number of prefixes from a peer.</p> <p>&lt;teardown&gt;—Clear peer connection on reaching limit.</p>

**<prefix-limit> (configuration/protocols/bgp/family/route-target)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <family>  
                 <route-target>  
                   **<prefix-limit>**  
                     <maximum>*maximum*</maximum>   <!-- mandatory -->  
                     <teardown>...</teardown>  
                   **</prefix-limit>**  
                 </route-target>  
               </family>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/protocols/bgp/group/family/inet/any)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <group>  
                 <family>  
                   <inet>  
                   <any>  
                     **<prefix-limit>**  
                       <maximum>*maximum*</maximum>   <!-- mandatory -->  
                       <teardown>...</teardown>  
                     **</prefix-limit>**  
                   </any>  
                 </inet>  
               </family>  
             </group>  
           </bgp>  
         </protocols>  
       </configuration>

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/protocols/bgp/group/family/inet/flow)**

---

**Usage**   <configuration>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet>  
          <flow>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>   <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </flow>  
          </inet>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

          <teardown>—Clear peer connection on reaching limit.

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

---

**Usage**   <configuration>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet>  
          <labeled-unicast>  
          **<prefix-limit>**  
          <maximum>*maximum*</maximum>   <!-- mandatory -->  
          <teardown>...</teardown>  
          **</prefix-limit>**  
          </labeled-unicast>  
          </inet>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

          <teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/protocols/bgp/group/family/inet/multicast)**

---

**Usage**   <configuration>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet>  
          <multicast>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>   <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </multicast>  
          </inet>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**    <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

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

---

```
Usage  <configuration>
      <protocols>
      <bgp>
      <group>
      <family>
      <inet>
      <unicast>
      <prefix-limit>
      <maximum>maximum</maximum>    <!-- mandatory -->
      <teardown>...</teardown>
      </prefix-limit>
      </unicast>
      </inet>
      </family>
      </group>
      </bgp>
      </protocols>
      </configuration>
```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.  
<teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/protocols/bgp/group/family/inet-mvpn/signaling)**

---

**Usage**   <configuration>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet-mvpn>  
          <signaling>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>    <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </signaling>  
          </inet-mvpn>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**    <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.



## **<prefix-limit> (configuration/protocols/bgp/group/family/inet-vpn/any)**

---

**Usage**   <configuration>  
               <protocols>  
                   <bgp>  
                       <group>  
                           <family>  
                               <inet-vpn>  
                                   <any>  
                                       **<prefix-limit>**  
   <maximum>*maximum*</maximum>   <!-- mandatory -->  
   <teardown>...</teardown>  
                                       **</prefix-limit>**  
                                   </any>  
                               </inet-vpn>  
                           </family>  
                       </group>  
                   </bgp>  
               </protocols>  
           </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/protocols/bgp/group/family/inet-vpn/flow)**

---

**Usage**   <configuration>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet-vpn>  
          <flow>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>    <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </flow>  
          </inet-vpn>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

          <teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/protocols/bgp/group/family/inet-vpn/multicast)**

---

```
Usage  <configuration>
      <protocols>
      <bgp>
      <group>
      <family>
      <inet-vpn>
      <multicast>
      <prefix-limit>
      <maximum>maximum</maximum>    <!-- mandatory -->
      <teardown>...</teardown>
      </prefix-limit>
      </multicast>
      </inet-vpn>
      </family>
      </group>
      </bgp>
      </protocols>
      </configuration>
```

**Description**    Limit maximum number of prefixes from a peer.

**Contents**       <maximum>—Maximum number of prefixes from a peer.  
                  <teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/protocols/bgp/group/family/inet-vpn/unicast)**

---

**Usage**   <configuration>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet-vpn>  
          <unicast>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>   <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </unicast>  
          </inet-vpn>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

          <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/protocols/bgp/group/family/inet6/any)**

---

**Usage**   <configuration>  
               <protocols>  
                   <bgp>  
                       <group>  
                           <family>  
                               <inet6>  
                                   <any>  
                                       **<prefix-limit>**  
   <maximum>*maximum*</maximum>   <!-- mandatory -->  
   <teardown>...</teardown>  
                                       **</prefix-limit>**  
                                   </any>  
                               </inet6>  
                           </family>  
                       </group>  
                   </bgp>  
               </protocols>  
           </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

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

---

**Usage**   <configuration>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet6>  
          <labeled-unicast>  
          **<prefix-limit>**  
            <maximum>*maximum*</maximum>   <!-- mandatory -->  
            <teardown>...</teardown>  
          **</prefix-limit>**  
          </labeled-unicast>  
          </inet6>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**    <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/protocols/bgp/group/family/inet6/multicast)**

---

**Usage**

```

<configuration>
  <protocols>
    <bgp>
      <group>
        <family>
          <inet6>
            <multicast>
              <prefix-limit>
                <maximum>maximum</maximum>    <!-- mandatory -->
                <teardown>...</teardown>
              </prefix-limit>
            </multicast>
          </inet6>
        </family>
      </group>
    </bgp>
  </protocols>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/protocols/bgp/group/family/inet6/unicast)**

---

**Usage**   <configuration>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet6>  
          <unicast>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>   <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </unicast>  
          </inet6>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**    <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.



**<prefix-limit> (configuration/protocols/bgp/group/family/inet6-mvpn/signaling)**

---

```
Usage  <configuration>
      <protocols>
      <bgp>
      <group>
      <family>
      <inet6-mvpn>
      <signaling>
      <prefix-limit>
      <maximum>maximum</maximum>    <!-- mandatory -->
      <teardown>...</teardown>
      </prefix-limit>
      </signaling>
      </inet6-mvpn>
      </family>
      </group>
      </bgp>
      </protocols>
      </configuration>
```

**Description**    Limit maximum number of prefixes from a peer.

**Contents**       <maximum>—Maximum number of prefixes from a peer.  
                  <teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/protocols/bgp/group/family/inet6-vpn/any)**

---

**Usage**   <configuration>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet6-vpn>  
          <any>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>   <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </any>  
          </inet6-vpn>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

          <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/protocols/bgp/group/family/inet6-vpn/multicast)**

---

**Usage**   <configuration>  
               <protocols>  
                   <bgp>  
                       <group>  
                           <family>  
                               <inet6-vpn>  
                                   <multicast>  
                                       **<prefix-limit>**  
   <maximum>*maximum*</maximum>   <!-- mandatory -->  
   <teardown>...</teardown>  
                                       **</prefix-limit>**  
                                   </multicast>  
                               </inet6-vpn>  
                           </family>  
                       </group>  
                   </bgp>  
               </protocols>  
           </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/protocols/bgp/group/family/inet6-vpn/unicast)**

---

**Usage**   <configuration>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet6-vpn>  
          <unicast>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>    <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </unicast>  
          </inet6-vpn>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**    <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/protocols/bgp/group/family/iso-vpn/unicast)**

---

**Usage**   <configuration>  
               <protocols>  
                   <bgp>  
                       <group>  
                           <family>  
                               <iso-vpn>  
                                   <unicast>  
                                       **<prefix-limit>**  
   <maximum>*maximum*</maximum>   <!-- mandatory -->  
   <teardown>...</teardown>  
                                       **</prefix-limit>**  
                                   </unicast>  
                               </iso-vpn>  
                           </family>  
                       </group>  
                   </bgp>  
               </protocols>  
           </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

## <prefix-limit> (configuration/protocols/bgp/group/family/l2vpn/signaling)

---

**Usage**

```

<configuration>
  <protocols>
    <bgp>
      <group>
        <family>
          <l2vpn>
            <signaling>
              <prefix-limit>
                <maximum>maximum</maximum>    <!-- mandatory -->
                <teardown>...</teardown>
              </prefix-limit>
            </signaling>
          </l2vpn>
        </family>
      </group>
    </bgp>
  </protocols>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## <prefix-limit> (configuration/protocols/bgp/group/family/route-target)

---

**Usage**

```

<configuration>
  <protocols>
    <bgp>
      <group>
        <family>
          <route-target>
            <prefix-limit>
              <maximum>maximum</maximum>    <!-- mandatory -->
              <teardown>...</teardown>
            </prefix-limit>
          </route-target>
        </family>
      </group>
    </bgp>
  </protocols>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/protocols/bgp/group/neighbor/  
family/inet/any)**

---

```
Usage  <configuration>
      <protocols>
      <bgp>
      <group>
      <neighbor>
      <family>
      <inet>
      <any>
      <prefix-limit>
      <maximum>maximum</maximum>    <!-- mandatory -->
      <teardown>...</teardown>
      </prefix-limit>
      </any>
      </inet>
      </family>
      </neighbor>
      </group>
      </bgp>
      </protocols>
      </configuration>
```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.  
  
<teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/protocols/bgp/group/neighbor/  
family/inet/flow)**

---

**Usage**

```
<configuration>
  <protocols>
    <bgp>
      <group>
        <neighbor>
          <family>
            <inet>
              <flow>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </flow>
            </inet>
          </family>
        </neighbor>
      </group>
    </bgp>
  </protocols>
</configuration>
```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.  
  
<teardown>—Clear peer connection on reaching limit.



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

---

**Usage**   <configuration>  
          <protocols>  
          <bgp>  
          <group>  
          <neighbor>  
          <family>  
          <inet>  
          <labeled-unicast>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>    <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </labeled-unicast>  
          </inet>  
          </family>  
          </neighbor>  
          </group>  
          </bgp>  
          </protocols>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.  
              <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/protocols/bgp/group/neighbor/family/inet/multicast)**

---

**Usage**

```

<configuration>
  <protocols>
    <bgp>
      <group>
        <neighbor>
          <family>
            <inet>
              <multicast>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </multicast>
            </inet>
          </family>
        </neighbor>
      </group>
    </bgp>
  </protocols>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <protocols>
    <bgp>
      <group>
        <neighbor>
          <family>
            <inet>
              <unicast>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </unicast>
            </inet>
          </family>
        </neighbor>
      </group>
    </bgp>
  </protocols>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/protocols/bgp/group/neighbor/family/inet-mvpn/signaling)**

---

**Usage**

```

<configuration>
  <protocols>
    <bgp>
      <group>
        <neighbor>
          <family>
            <inet-mvpn>
              <signaling>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </signaling>
            </inet-mvpn>
          </family>
        </neighbor>
      </group>
    </bgp>
  </protocols>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/protocols/bgp/group/neighbor/  
family/inet-vpn/any)**

---

**Usage**   <configuration>  
          <protocols>  
          <bgp>  
          <group>  
          <neighbor>  
          <family>  
          <inet-vpn>  
          <any>  
          **<prefix-limit>**  
            <maximum>*maximum*</maximum>   <!-- mandatory -->  
            <teardown>...</teardown>  
          **</prefix-limit>**  
          </any>  
          </inet-vpn>  
          </family>  
          </neighbor>  
          </group>  
          </bgp>  
          </protocols>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.  
  
              <teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/protocols/bgp/group/neighbor/family/inet-vpn/flow)**

---

**Usage**

```
<configuration>
  <protocols>
    <bgp>
      <group>
        <neighbor>
          <family>
            <inet-vpn>
              <flow>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </flow>
            </inet-vpn>
          </family>
        </neighbor>
      </group>
    </bgp>
  </protocols>
</configuration>
```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/protocols/bgp/group/neighbor/family/inet-vpn/multicast)**

---

**Usage**   <configuration>  
               <protocols>  
                   <bgp>  
                       <group>  
                           <neighbor>  
                               <family>  
                                   <inet-vpn>  
                                       <multicast>  
   **<prefix-limit>**  
   <maximum>*maximum*</maximum>   <!-- mandatory -->  
   <teardown>...</teardown>  
   **</prefix-limit>**  
                                       </multicast>  
                                   </inet-vpn>  
                               </family>  
                           </neighbor>  
                       </group>  
                   </bgp>  
               </protocols>  
           </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <protocols>
    <bgp>
      <group>
        <neighbor>
          <family>
            <inet-vpn>
              <unicast>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </unicast>
            </inet-vpn>
          </family>
        </neighbor>
      </group>
    </bgp>
  </protocols>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.



**<prefix-limit> (configuration/protocols/bgp/group/neighbor/  
family/inet6/any)**

---

```
Usage  <configuration>
      <protocols>
      <bgp>
      <group>
      <neighbor>
      <family>
      <inet6>
      <any>
      <prefix-limit>
      <maximum>maximum</maximum>    <!-- mandatory -->
      <teardown>...</teardown>
      </prefix-limit>
      </any>
      </inet6>
      </family>
      </neighbor>
      </group>
      </bgp>
      </protocols>
      </configuration>
```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.  
  
<teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/protocols/bgp/group/neighbor/family/inet6/labeled-unicast)**

---

**Usage**   <configuration>  
          <protocols>  
          <bgp>  
          <group>  
          <neighbor>  
          <family>  
          <inet6>  
          <labeled-unicast>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>    <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </labeled-unicast>  
          </inet6>  
          </family>  
          </neighbor>  
          </group>  
          </bgp>  
          </protocols>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.  
              <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/protocols/bgp/group/neighbor/family/inet6/multicast)**

---

**Usage**

```

<configuration>
  <protocols>
    <bgp>
      <group>
        <neighbor>
          <family>
            <inet6>
              <multicast>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </multicast>
            </inet6>
          </family>
        </neighbor>
      </group>
    </bgp>
  </protocols>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/protocols/bgp/group/neighbor/family/inet6/unicast)**

---

**Usage**

```

<configuration>
  <protocols>
    <bgp>
      <group>
        <neighbor>
          <family>
            <inet6>
              <unicast>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </unicast>
            </inet6>
          </family>
        </neighbor>
      </group>
    </bgp>
  </protocols>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/protocols/bgp/group/neighbor/  
family/inet6-mvpn/signaling)**

---

```
Usage  <configuration>
      <protocols>
      <bgp>
      <group>
      <neighbor>
      <family>
      <inet6-mvpn>
      <signaling>
      <prefix-limit>
      <maximum>maximum</maximum>    <!-- mandatory -->
      <teardown>...</teardown>
      </prefix-limit>
      </signaling>
      </inet6-mvpn>
      </family>
      </neighbor>
      </group>
      </bgp>
      </protocols>
      </configuration>
```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.  
  
<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/protocols/bgp/group/neighbor/family/inet6-vpn/any)**

---

**Usage**

```

<configuration>
  <protocols>
    <bgp>
      <group>
        <neighbor>
          <family>
            <inet6-vpn>
              <any>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </any>
            </inet6-vpn>
          </family>
        </neighbor>
      </group>
    </bgp>
  </protocols>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.  
 <teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/protocols/bgp/group/neighbor/  
family/inet6-vpn/multicast)**

---

**Usage**   <configuration>  
          <protocols>  
          <bgp>  
          <group>  
          <neighbor>  
          <family>  
          <inet6-vpn>  
          <multicast>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>   <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </multicast>  
          </inet6-vpn>  
          </family>  
          </neighbor>  
          </group>  
          </bgp>  
          </protocols>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.  
  
              <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/protocols/bgp/group/neighbor/family/inet6-vpn/unicast)**

---

**Usage**

```

<configuration>
  <protocols>
    <bgp>
      <group>
        <neighbor>
          <family>
            <inet6-vpn>
              <unicast>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </unicast>
            </inet6-vpn>
          </family>
        </neighbor>
      </group>
    </bgp>
  </protocols>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.  
 <teardown>—Clear peer connection on reaching limit.



**<prefix-limit> (configuration/protocols/bgp/group/neighbor/  
family/iso-vpn/unicast)**

---

**Usage**   <configuration>  
          <protocols>  
          <bgp>  
          <group>  
          <neighbor>  
          <family>  
          <iso-vpn>  
          <unicast>  
              **<prefix-limit>**  
              <maximum>*maximum*</maximum>   <!-- mandatory -->  
              <teardown>...</teardown>  
              **</prefix-limit>**  
          </unicast>  
          </iso-vpn>  
          </family>  
          </neighbor>  
          </group>  
          </bgp>  
          </protocols>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.  
  
              <teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/protocols/bgp/group/neighbor/family/l2vpn/signaling)**

---

**Usage**

```
<configuration>
  <protocols>
    <bgp>
      <group>
        <neighbor>
          <family>
            <l2vpn>
              <signaling>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </signaling>
            </l2vpn>
          </family>
        </neighbor>
      </group>
    </bgp>
  </protocols>
</configuration>
```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/protocols/bgp/group/neighbor/family/route-target)**

---

**Usage**   <configuration>  
               <protocols>  
                   <bgp>  
                       <group>  
                           <neighbor>  
                               <family>  
                                   <route-target>  
                                       **<prefix-limit>**  
   <maximum>*maximum*</maximum>   <!-- mandatory -->  
   <teardown>...</teardown>  
                                       **</prefix-limit>**  
                                   </route-target>  
                               </family>  
                           </neighbor>  
                       </group>  
                   </bgp>  
               </protocols>  
           </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/family/inet/any)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <bgp>  
          <family>  
          <inet>  
          <any>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>    <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </any>  
          </inet>  
          </family>  
          </bgp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.  
              <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/family/inet/flow)**

---

**Usage**   <configuration>  
               <routing-instances>  
                   <instance>  
                       <protocols>  
                         <bgp>  
                           <family>  
                               <inet>  
                                 <flow>  
                                   **<prefix-limit>**  
                                     <maximum>*maximum*</maximum>   <!-- mandatory -->  
                                     <teardown>...</teardown>  
                                   **</prefix-limit>**  
                                 </flow>  
                               </inet>  
                           </family>  
                         </bgp>  
                       </protocols>  
                   </instance>  
               </routing-instances>  
           </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <family>
            <inet>
              <labeled-unicast>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </labeled-unicast>
            </inet>
          </family>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/family/inet/multicast)**

---

**Usage**   <configuration>  
               <routing-instances>  
                   <instance>  
                       <protocols>  
                         <bgp>  
                           <family>  
                               <inet>  
                                 <multicast>  
                                   **<prefix-limit>**  
                                     <maximum>*maximum*</maximum>   <!-- mandatory -->  
                                     <teardown>...</teardown>  
                                   **</prefix-limit>**  
                                 </multicast>  
                               </inet>  
                           </family>  
                         </bgp>  
                       </protocols>  
                   </instance>  
               </routing-instances>  
           </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <family>
            <inet>
              <unicast>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </unicast>
            </inet>
          </family>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.



## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/family/inet-mvpn/signaling)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <family>
            <inet-mvpn>
              <signaling>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </signaling>
            </inet-mvpn>
          </family>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/family/inet-vpn/any)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <family>
            <inet-vpn>
              <any>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </any>
            </inet-vpn>
          </family>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/family/inet-vpn/flow)**

---

**Usage**   <configuration>  
               <routing-instances>  
                   <instance>  
                       <protocols>  
                         <bgp>  
                           <family>  
                               <inet-vpn>  
                                 <flow>  
                                   **<prefix-limit>**  
                                       <maximum>*maximum*</maximum>   <!-- mandatory -->  
                                       <teardown>...</teardown>  
                                   **</prefix-limit>**  
                                 </flow>  
                               </inet-vpn>  
                           </family>  
                         </bgp>  
                       </protocols>  
                   </instance>  
               </routing-instances>  
           </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/family/inet-vpn/multicast)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <family>
            <inet-vpn>
              <multicast>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </multicast>
            </inet-vpn>
          </family>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**   <configuration>  
               <routing-instances>  
                   <instance>  
                       <protocols>  
                         <bgp>  
                           <family>  
                               <inet-vpn>  
                                 <unicast>  
                                   **<prefix-limit>**  
                                       <maximum>*maximum*</maximum>   <!-- mandatory -->  
                                       <teardown>...</teardown>  
                                   **</prefix-limit>**  
                                 </unicast>  
                               </inet-vpn>  
                           </family>  
                         </bgp>  
                       </protocols>  
                   </instance>  
               </routing-instances>  
           </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

**<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/family/inet6/any)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <bgp>  
          <family>  
          <inet6>  
          <any>  
            **<prefix-limit>**  
              <maximum>*maximum*</maximum>    <!-- mandatory -->  
              <teardown>...</teardown>  
            **</prefix-limit>**  
          </any>  
          </inet6>  
          </family>  
          </bgp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.  
              <teardown>—Clear peer connection on reaching limit.

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

---

**Usage**   <configuration>  
               <routing-instances>  
                   <instance>  
                       <protocols>  
                         <bgp>  
                           <family>  
                               <inet6>  
                                 <labeled-unicast>  
                                   **<prefix-limit>**  
                                     <maximum>*maximum*</maximum>   <!-- mandatory -->  
                                     <teardown>...</teardown>  
                                   **</prefix-limit>**  
                                 </labeled-unicast>  
                               </inet6>  
                           </family>  
                         </bgp>  
                       </protocols>  
                   </instance>  
               </routing-instances>  
           </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

## <prefix-limit> (configuration/routing-instances/instance/protocols/bgp/family/inet6/multicast)

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <family>
            <inet6>
              <multicast>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </multicast>
            </inet6>
          </family>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.



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

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <family>
            <inet6>
              <unicast>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </unicast>
            </inet6>
          </family>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/family/inet6-mvpn/signaling)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <family>
            <inet6-mvpn>
              <signaling>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </signaling>
            </inet6-mvpn>
          </family>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents**

- <maximum>—Maximum number of prefixes from a peer.
- <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/family/inet6-vpn/any)**

---

**Usage**   <configuration>  
               <routing-instances>  
                   <instance>  
                       <protocols>  
                         <bgp>  
                           <family>  
                               <inet6-vpn>  
                                 <any>  
                                   **<prefix-limit>**  
                                       <maximum>*maximum*</maximum>   <!-- mandatory -->  
                                       <teardown>...</teardown>  
                                   **</prefix-limit>**  
                                 </any>  
                               </inet6-vpn>  
                           </family>  
                         </bgp>  
                       </protocols>  
                   </instance>  
               </routing-instances>  
           </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/family/inet6-vpn/multicast)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <family>
            <inet6-vpn>
              <multicast>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </multicast>
            </inet6-vpn>
          </family>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.  
 <teardown>—Clear peer connection on reaching limit.

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

---

**Usage**   <configuration>  
               <routing-instances>  
                   <instance>  
                       <protocols>  
                         <bgp>  
                           <family>  
                               <inet6-vpn>  
                                 <unicast>  
                                   **<prefix-limit>**  
                                     <maximum>*maximum*</maximum>   <!-- mandatory -->  
                                     <teardown>...</teardown>  
                                   **</prefix-limit>**  
                                 </unicast>  
                               </inet6-vpn>  
                           </family>  
                         </bgp>  
                       </protocols>  
                   </instance>  
               </routing-instances>  
           </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/family/iso-vpn/unicast)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <family>
            <iso-vpn>
              <unicast>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </unicast>
            </iso-vpn>
          </family>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.  
 <teardown>—Clear peer connection on reaching limit.

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

---

**Usage**   <configuration>  
               <routing-instances>  
                   <instance>  
                       <protocols>  
                         <bgp>  
                           <family>  
                               <l2vpn>  
                                 <signaling>  
                                   **<prefix-limit>**  
                                     <maximum>*maximum*</maximum>   <!-- mandatory -->  
                                     <teardown>...</teardown>  
                                   **</prefix-limit>**  
                                 </signaling>  
                               </l2vpn>  
                           </family>  
                         </bgp>  
                       </protocols>  
                   </instance>  
               </routing-instances>  
           </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/family/route-target)**

---

**Usage**   <configuration>  
               <routing-instances>  
                   <instance>  
                       <protocols>  
                         <bgp>  
                           <family>  
                               <route-target>  
                                 **<prefix-limit>**  
                                   <maximum>*maximum*</maximum>   <!-- mandatory -->  
                                   <teardown>...</teardown>  
                                 **</prefix-limit>**  
                               </route-target>  
                           </family>  
                         </bgp>  
                       </protocols>  
                   </instance>  
               </routing-instances>  
           </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

              <teardown>—Clear peer connection on reaching limit.



## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/family/inet/any)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <inet>
                <any>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </any>
              </inet>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/family/inet/flow)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <inet>
                <flow>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </flow>
              </inet>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <inet>
                <labeled-unicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </labeled-unicast>
              </inet>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/family/inet/multicast)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <inet>
                <multicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </multicast>
              </inet>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <inet>
                <unicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </unicast>
              </inet>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/family/inet-mvpn/signaling)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <inet-mvpn>
                <signaling>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </signaling>
              </inet-mvpn>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/family/inet-vpn/any)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <inet-vpn>
                <any>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </any>
              </inet-vpn>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/family/inet-vpn/flow)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <inet-vpn>
                <flow>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </flow>
              </inet-vpn>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.



## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/family/inet-vpn/multicast)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <inet-vpn>
                <multicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </multicast>
              </inet-vpn>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## <prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/family/inet-vpn/unicast)

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <inet-vpn>
                <unicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </unicast>
              </inet-vpn>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/family/inet6/any)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <inet6>
                <any>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </any>
              </inet6>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <inet6>
                <labeled-unicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </labeled-unicast>
              </inet6>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/family/inet6/multicast)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <inet6>
                <multicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </multicast>
              </inet6>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <inet6>
                <unicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </unicast>
              </inet6>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/family/inet6-mvpn/signaling)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <inet6-mvpn>
                <signaling>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </signaling>
              </inet6-mvpn>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/family/inet6-vpn/any)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <inet6-vpn>
                <any>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </any>
              </inet6-vpn>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.



## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/family/inet6-vpn/multicast)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <inet6-vpn>
                <multicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </multicast>
              </inet6-vpn>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <inet6-vpn>
                <unicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </unicast>
              </inet6-vpn>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/family/iso-vpn/unicast)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <iso-vpn>
                <unicast>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </unicast>
              </iso-vpn>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <l2vpn>
                <signaling>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </signaling>
              </l2vpn>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/family/route-target)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <route-target>
                <prefix-limit>
                  <maximum>maximum</maximum>    <!-- mandatory -->
                  <teardown>...</teardown>
                </prefix-limit>
              </route-target>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/neighbor/family/inet/any)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <neighbor>
              <family>
                <inet>
                  <any>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </any>
                </inet>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/neighbor/family/inet/flow)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <neighbor>  
           <family>  
           <inet>  
           <flow>  
               **<prefix-limit>**  
                   <maximum>*maximum*</maximum>   <!-- mandatory -->  
                   <teardown>...</teardown>  
               **</prefix-limit>**  
               </flow>  
           </inet>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.  
               <teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <neighbor>
              <family>
                <inet>
                  <labeled-unicast>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </labeled-unicast>
                </inet>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.



## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/neighbor/family/inet/multicast)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <neighbor>
              <family>
                <inet>
                  <multicast>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </multicast>
                </inet>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <neighbor>
              <family>
                <inet>
                  <unicast>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </unicast>
                </inet>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/neighbor/family/inet-mvpn/signaling)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <neighbor>
              <family>
                <inet-mvpn>
                  <signaling>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </signaling>
                </inet-mvpn>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/neighbor/family/inet-vpn/any)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <neighbor>
              <family>
                <inet-vpn>
                  <any>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </any>
                </inet-vpn>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/neighbor/family/inet-vpn/flow)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <neighbor>
              <family>
                <inet-vpn>
                  <flow>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </flow>
                </inet-vpn>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.  
 <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/neighbor/family/inet-vpn/multicast)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <neighbor>
              <family>
                <inet-vpn>
                  <multicast>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </multicast>
                </inet-vpn>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <neighbor>
              <family>
                <inet-vpn>
                  <unicast>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </unicast>
                </inet-vpn>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/neighbor/family/inet6/any)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <neighbor>
              <family>
                <inet6>
                  <any>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </any>
                </inet6>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.



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

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <neighbor>
              <family>
                <inet6>
                  <labeled-unicast>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </labeled-unicast>
                </inet6>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/neighbor/family/inet6/multicast)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <neighbor>
              <family>
                <inet6>
                  <multicast>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </multicast>
                </inet6>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <neighbor>
              <family>
                <inet6>
                  <unicast>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </unicast>
                </inet6>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/neighbor/family/inet6-mvpn/signaling)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <neighbor>
              <family>
                <inet6-mvpn>
                  <signaling>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </signaling>
                </inet6-mvpn>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/neighbor/family/inet6-vpn/any)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <neighbor>  
           <family>  
           <inet6-vpn>  
           <any>  
               **<prefix-limit>**  
                   <maximum>*maximum*</maximum>   <!-- mandatory -->  
                   <teardown>...</teardown>  
               **</prefix-limit>**  
               </any>  
           </inet6-vpn>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Limit maximum number of prefixes from a peer.

**Contents**   <maximum>—Maximum number of prefixes from a peer.

          <teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/neighbor/family/inet6-vpn/multicast)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <neighbor>
              <family>
                <inet6-vpn>
                  <multicast>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </multicast>
                </inet6-vpn>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

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

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <neighbor>
              <family>
                <inet6-vpn>
                  <unicast>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </unicast>
                </inet6-vpn>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/neighbor/family/iso-vpn/unicast)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <neighbor>
              <family>
                <iso-vpn>
                  <unicast>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </unicast>
                </iso-vpn>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.



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

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <neighbor>
              <family>
                <l2vpn>
                  <signaling>
                    <prefix-limit>
                      <maximum>maximum</maximum>    <!-- mandatory -->
                      <teardown>...</teardown>
                    </prefix-limit>
                  </signaling>
                </l2vpn>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-limit> (configuration/routing-instances/instance/protocols/bgp/group/neighbor/family/route-target)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <neighbor>
              <family>
                <route-target>
                  <prefix-limit>
                    <maximum>maximum</maximum>    <!-- mandatory -->
                    <teardown>...</teardown>
                  </prefix-limit>
                </route-target>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Limit maximum number of prefixes from a peer.

**Contents** <maximum>—Maximum number of prefixes from a peer.

<teardown>—Clear peer connection on reaching limit.

## **<prefix-list> (configuration/firewall/family/inet/filter/term/ from)**

---

**Usage**   <configuration>  
           <firewall>  
           <family>  
           <inet>  
           <filter>  
           <term>  
           <from>  
               **<prefix-list>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <except/>  
               **</prefix-list>**  
           </from>  
           </term>  
           </filter>  
           </inet>  
           </family>  
           </firewall>  
         </configuration>

**Description**   Match IP source or destination prefixes in named list.

**Contents**   <except>—Match addresses not in this prefix list.

          <name>—Prefix list to match.

## <prefix-list> (configuration/firewall/family/inet/service-filter/term/from)

---

**Usage**

```

<configuration>
  <firewall>
    <family>
      <inet>
        <service-filter>
          <term>
            <from>
              <prefix-list>
                <name>name</name>    <!-- identifier -->
                <except/>
              </prefix-list>
            </from>
          </term>
        </service-filter>
      </inet>
    </family>
  </firewall>
</configuration>

```

**Description** Match IP source or destination prefixes in named list.

**Contents** <except>—Match addresses not in this prefix list.

<name>—Prefix list to match.

## **<prefix-list> (configuration/firewall/family/inet6/filter/term/ from)**

---

**Usage**   <configuration>  
           <firewall>  
           <family>  
           <inet6>  
           <filter>  
           <term>  
           <from>  
               **<prefix-list>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <except/>  
               **</prefix-list>**  
           </from>  
           </term>  
           </filter>  
           </inet6>  
           </family>  
           </firewall>  
         </configuration>

**Description**   Match source or destination prefixes in named list.

**Contents**   <except>—Match addresses not in this prefix list.

          <name>—Prefix list to match.

## <prefix-list> (configuration/firewall/family/inet6/service-filter/term/from)

---

**Usage** <configuration>  
           <firewall>  
             <family>  
               <inet6>  
                 <service-filter>  
                   <term>  
                     <from>  
                       <prefix-list>  
                         <name>*name*</name>   <!-- identifier -->  
                         <except/>  
                       </prefix-list>  
                     </from>  
                   </term>  
                 </service-filter>  
               </inet6>  
             </family>  
           </firewall>  
         </configuration>

**Description** Match source or destination prefixes in named list.

**Contents** <except>—Match addresses not in this prefix list.

<name>—Prefix list to match.

## <prefix-list> (configuration/firewall/filter/term/from)

---

**Usage** <configuration>  
           <firewall>  
             <filter>  
               <term>  
                 <from>  
                   <prefix-list>  
                     <name>*name*</name>   <!-- identifier -->  
                     <except/>  
                   </prefix-list>  
                 </from>  
               </term>  
             </filter>  
           </firewall>  
         </configuration>

**Description** Match IP source or destination prefixes in named list.

**Contents** <except>—Match addresses not in this prefix list.

<name>—Prefix list to match.

## **<prefix-list> (configuration/logical-systems/firewall/family/inet/filter/term/from)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <firewall>  
           <family>  
           <inet>  
           <filter>  
           <term>  
           <from>  
               **<prefix-list>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <except/>  
                   **</prefix-list>**  
               </from>  
           </term>  
           </filter>  
           </inet>  
           </family>  
           </firewall>  
           </logical-systems>  
           </configuration>

**Description**   Match IP source or destination prefixes in named list.

**Contents**   <except>—Match addresses not in this prefix list.

          <name>—Prefix list to match.

## **<prefix-list> (configuration/logical-systems/firewall/family/inet/service-filter/term/from)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <inet>
          <service-filter>
            <term>
              <from>
                <prefix-list>
                  <name>name</name>    <!-- identifier -->
                  <except/>
                </prefix-list>
              </from>
            </term>
          </service-filter>
        </inet>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Match IP source or destination prefixes in named list.

**Contents**

- <except>—Match addresses not in this prefix list.
- <name>—Prefix list to match.



## **<prefix-list> (configuration/logical-systems/firewall/family/inet6/filter/term/from)**

---

**Usage** <configuration>  
     <logical-systems>  
         <firewall>  
             <family>  
                 <inet6>  
                     <filter>  
                         <term>  
                             <from>  
                                 **<prefix-list>**  
                                     <name>name</name>   <!-- identifier -->  
                                     <except/>  
                                 **</prefix-list>**  
                             </from>  
                         </term>  
                     </filter>  
                 </inet6>  
             </family>  
         </firewall>  
     </logical-systems>  
</configuration>

**Description** Match source or destination prefixes in named list.

**Contents** <except>—Match addresses not in this prefix list.

<name>—Prefix list to match.

## <prefix-list> (configuration/logical-systems/firewall/family/inet6/service-filter/term/from)

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <inet6>
          <service-filter>
            <term>
              <from>
                <prefix-list>
                  <name>name</name>    <!-- identifier -->
                  <except/>
                </prefix-list>
              </from>
            </term>
          </service-filter>
        </inet6>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Match source or destination prefixes in named list.

**Contents** <except>—Match addresses not in this prefix list.

<name>—Prefix list to match.

## <prefix-list> (configuration/logical-systems/firewall/filter/term/from)

---

**Usage** <configuration>  
           <logical-systems>  
           <firewall>  
           <filter>  
           <term>  
           <from>  
             <prefix-list>  
               <name>name</name>   <!-- identifier -->  
               <except/>  
             </prefix-list>  
           </from>  
         </term>  
       </filter>  
     </firewall>  
 </logical-systems>  
</configuration>

**Description** Match IP source or destination prefixes in named list.

**Contents** <except>—Match addresses not in this prefix list.

<name>—Prefix list to match.

## <prefix-list> (configuration/logical-systems/policy-options)

---

**Usage** <configuration>  
           <logical-systems>  
           <policy-options>  
             <prefix-list>  
               <name>name</name>   <!-- identifier -->  
               <prefix-list-item>...</prefix-list-item>  
               <apply-path>apply-path</apply-path>  
             </prefix-list>  
           </policy-options>  
         </logical-systems>  
 </configuration>

**Description** Define a named set of address prefixes.

**Contents** <apply-path>—Apply IP prefixes from a configuration statement.

<name>—Prefix list name.

<prefix-list-item>—No documentation is available yet.

## <prefix-list> (configuration/logical-systems/policy-options/policy-statement/from)

---

**Usage** <configuration>  
     <logical-systems>  
         <policy-options>  
             <policy-statement>  
                 <from>  
                     <prefix-list>  
                         <name>name</name>   <!-- identifier -->  
                     </prefix-list>  
                 </from>  
             </policy-statement>  
         </policy-options>  
     </logical-systems>  
 </configuration>

**Description** List of prefix-lists of routes to match.

**Contents** <name>—Name of prefix-list of routes to match.

## <prefix-list> (configuration/logical-systems/policy-options/policy-statement/term/from)

---

**Usage** <configuration>  
     <logical-systems>  
         <policy-options>  
             <policy-statement>  
                 <term>  
                     <from>  
                         <prefix-list>  
                             <name>name</name>   <!-- identifier -->  
                         </prefix-list>  
                     </from>  
                 </term>  
             </policy-statement>  
         </policy-options>  
     </logical-systems>  
 </configuration>

**Description** List of prefix-lists of routes to match.

**Contents** <name>—Name of prefix-list of routes to match.

**<prefix-list> (configuration/policy-options)**

---

**Usage** <configuration>  
           <policy-options>  
             **<prefix-list>**  
               <name>*name*</name>   <!-- identifier -->  
               <prefix-list-item>...</prefix-list-item>  
               <apply-path>*apply-path*</apply-path>  
             **</prefix-list>**  
           </policy-options>  
         </configuration>

**Description** Define a named set of address prefixes.

**Contents** <apply-path>—Apply IP prefixes from a configuration statement.

<name>—Prefix list name.

<prefix-list-item>—No documentation is available yet.

**<prefix-list> (configuration/policy-options/policy-statement/from)**

---

**Usage** <configuration>  
           <policy-options>  
             <policy-statement>  
               <from>  
                 **<prefix-list>**  
                   <name>*name*</name>   <!-- identifier -->  
                 **</prefix-list>**  
               </from>  
             </policy-statement>  
           </policy-options>  
         </configuration>

**Description** List of prefix-lists of routes to match.

**Contents** <name>—Name of prefix-list of routes to match.

## **<prefix-list> (configuration/policy-options/policy-statement/term/from)**

---

**Usage**   <configuration>  
          <policy-options>  
          <policy-statement>  
          <term>  
          <from>  
            **<prefix-list>**  
              <name>*name*</name>   <!-- identifier -->  
            **</prefix-list>**  
          </from>  
          </term>  
          </policy-statement>  
          </policy-options>  
          </configuration>

**Description**   List of prefix-lists of routes to match.

**Contents**    <name>—Name of prefix-list of routes to match.

## <prefix-list-filter> (configuration/logical-systems/ policy-options/policy-statement/from)

---

```

Usage  <configuration>
      <logical-systems>
      <policy-options>
      <policy-statement>
      <from>
        <prefix-list-filter>
          <list_name>list_name</list_name>    <!-- identifier -->
          <exact/>    <!-- identifier -->
          <longer/>    <!-- identifier -->
          <orlonger/>    <!-- identifier -->
          <metric>...</metric>
          <metric2>...</metric2>
          <metric3>...</metric3>
          <metric4>...</metric4>
          <tag>...</tag>
          <tag2>...</tag2>
          <preference>...</preference>
          <preference2>...</preference2>
          <color>...</color>
          <color2>...</color2>
          <local-preference>...</local-preference>
          <priority>priority-choice</priority>
          <origin>origin-choice</origin>
          <community>...</community>
          <damping>damping</damping>
          <as-path-prepend>as-path-prepend</as-path-prepend>
          <as-path-expand>...</as-path-expand>
          <next-hop>...</next-hop>
          <install-nexthop>...</install-nexthop>
          <trace/>
          <external>...</external>
          <load-balance>...</load-balance>
          <class>class</class>
          <destination-class>destination-class</destination-class>
          <source-class>source-class</source-class>
          <forwarding-class>forwarding-class</forwarding-class>
          <cos-next-hop-map>cos-next-hop-map</cos-next-hop-map>
          <default-action>default-action-choice</default-action>
          <next>next-choice</next>
          <accept/>
          <reject/>
        </prefix-list-filter>
      </from>
    </policy-statement>
  </policy-options>
</logical-systems>
</configuration>

```

**Description** List of prefix-list-filters to match.

**Contents** <accept>—Accept a route.

<as-path-expand>—Prepend AS numbers prior to adding local-as (BGP only).

<as-path-prepend>—Prepend AS numbers to an AS path (BGP only).

<class>—Set class-of-service parameters.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community properties associated with a route.

<cos-next-hop-map>—Set CoS-based next-hop map in forwarding table.

<damping>—Define BGP route flap damping parameters.

<default-action>—Set default policy action.

- accept—Accept a route.

- reject—Reject a route.

<destination-class>—Set destination class in forwarding table.

<exact>—Exactly match the prefix length.

<external>—External route.

<forwarding-class>—Set source or destination class in forwarding table.

<install-nexthop>—Choose the next hop to be used for forwarding.

<list\_name>—Name of prefix-list of routes to match.

<load-balance>—Type of load balancing in forwarding table.

<local-preference>—Local preference associated with a route.

<longer>—Mask is greater than the prefix length.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<next>—Skip to next policy or term.

- policy—Skip to next policy filter.

- term—Skip to next term in a policy filter.

<next-hop>—Set the address of the next-hop router.



<origin>—BGP path origin.

- **egp**—Path originated in another AS.
- **igp**—Path originated in the local IGP.
- **incomplete**—Path was learned by some other means.

<orlonger>—Mask is greater than or equal to the prefix length.

<preference>—Preference value.

<preference2>—Preference value 2.

<priority>—Set priority for route installation.

- **high**—Set priority to high.
- **low**—Set priority to low.
- **medium**—Set priority to medium.

<reject>—Reject a route.

<source-class>—Set source class in forwarding table.

<tag>—Tag string.

<tag2>—Tag string 2.

<trace>—Log matches to a trace file.

## <prefix-list-filter> (configuration/logical-systems/ policy-options/policy-statement/term/from)

```

Usage  <configuration>
      <logical-systems>
      <policy-options>
      <policy-statement>
      <term>
      <from>
        <prefix-list-filter>
          <list_name>list_name</list_name>    <!-- identifier -->
          <exact/>    <!-- identifier -->
          <longer/>    <!-- identifier -->
          <orlonger/>    <!-- identifier -->
          <metric>...</metric>
          <metric2>...</metric2>
          <metric3>...</metric3>
          <metric4>...</metric4>
          <tag>...</tag>
          <tag2>...</tag2>
          <preference>...</preference>
          <preference2>...</preference2>
          <color>...</color>
          <color2>...</color2>
          <local-preference>...</local-preference>
          <priority>priority-choice</priority>
          <origin>origin-choice</origin>
          <community>...</community>
          <damping>damping</damping>
          <as-path-prepend>as-path-prepend</as-path-prepend>
          <as-path-expand>...</as-path-expand>
          <next-hop>...</next-hop>
          <install-nexthop>...</install-nexthop>
          <trace/>
          <external>...</external>
          <load-balance>...</load-balance>
          <class>class</class>
          <destination-class>destination-class</destination-class>
          <source-class>source-class</source-class>
          <forwarding-class>forwarding-class</forwarding-class>
          <cos-next-hop-map>cos-next-hop-map</cos-next-hop-map>
          <default-action>default-action-choice</default-action>
          <next>next-choice</next>
          <accept/>
          <reject/>
        </prefix-list-filter>
      </from>
    </term>
  </policy-statement>
</policy-options>
</logical-systems>
</configuration>

```

**Description** List of prefix-list-filters to match.

- Contents**
- `<accept>`—Accept a route.
  - `<as-path-expand>`—Prepend AS numbers prior to adding local-as (BGP only).
  - `<as-path-prepend>`—Prepend AS numbers to an AS path (BGP only).
  - `<class>`—Set class-of-service parameters.
  - `<color>`—Color (preference) value.
  - `<color2>`—Color (preference) value 2.
  - `<community>`—BGP community properties associated with a route.
  - `<cos-next-hop-map>`—Set CoS-based next-hop map in forwarding table.
  - `<damping>`—Define BGP route flap damping parameters.
  - `<default-action>`—Set default policy action.
  - `accept`—Accept a route.
  - `reject`—Reject a route.
  - `<destination-class>`—Set destination class in forwarding table.
  - `<exact>`—Exactly match the prefix length.
  - `<external>`—External route.
  - `<forwarding-class>`—Set source or destination class in forwarding table.
  - `<install-nexthop>`—Choose the next hop to be used for forwarding.
  - `<list_name>`—Name of prefix-list of routes to match.
  - `<load-balance>`—Type of load balancing in forwarding table.
  - `<local-preference>`—Local preference associated with a route.
  - `<longer>`—Mask is greater than the prefix length.
  - `<metric>`—Metric value.
  - `<metric2>`—Metric value 2.
  - `<metric3>`—Metric value 3.
  - `<metric4>`—Metric value 4.
  - `<next>`—Skip to next policy or term.
  - `policy`—Skip to next policy filter.
  - `term`—Skip to next term in a policy filter.

<next-hop>—Set the address of the next-hop router.

<origin>—BGP path origin.

- **egp**—Path originated in another AS.
- **igp**—Path originated in the local IGP.
- **incomplete**—Path was learned by some other means.

<orlonger>—Mask is greater than or equal to the prefix length.

<preference>—Preference value.

<preference2>—Preference value 2.

<priority>—Set priority for route installation.

- **high**—Set priority to high.
- **low**—Set priority to low.
- **medium**—Set priority to medium.

<reject>—Reject a route.

<source-class>—Set source class in forwarding table.

<tag>—Tag string.

<tag2>—Tag string 2.

<trace>—Log matches to a trace file.

## <prefix-list-filter> (configuration/policy-options/policy-statement/from)

---

```

Usage  <configuration>
      <policy-options>
      <policy-statement>
      <from>
        <prefix-list-filter>
          <list_name>list_name</list_name>    <!-- identifier -->
          <exact/>    <!-- identifier -->
          <longer/>    <!-- identifier -->
          <orlonger/>    <!-- identifier -->
          <metric>...</metric>
          <metric2>...</metric2>
          <metric3>...</metric3>
          <metric4>...</metric4>
          <tag>...</tag>
          <tag2>...</tag2>
          <preference>...</preference>
          <preference2>...</preference2>
          <color>...</color>
          <color2>...</color2>
          <local-preference>...</local-preference>
          <priority>priority-choice</priority>
          <origin>origin-choice</origin>
          <community>...</community>
          <damping>damping</damping>
          <as-path-prepend>as-path-prepend</as-path-prepend>
          <as-path-expand>...</as-path-expand>
          <next-hop>...</next-hop>
          <install-nexthop>...</install-nexthop>
          <trace/>
          <external>...</external>
          <load-balance>...</load-balance>
          <class>class</class>
          <destination-class>destination-class</destination-class>
          <source-class>source-class</source-class>
          <forwarding-class>forwarding-class</forwarding-class>
          <cos-next-hop-map>cos-next-hop-map</cos-next-hop-map>
          <default-action>default-action-choice</default-action>
          <next>next-choice</next>
          <accept/>
          <reject/>
        </prefix-list-filter>
      </from>
    </policy-statement>
  </policy-options>
</configuration>

```

**Description** List of prefix-list-filters to match.

**Contents** <accept>—Accept a route.

<as-path-expand>—Prepend AS numbers prior to adding local-as (BGP only).

<as-path-prepend>—Prepend AS numbers to an AS path (BGP only).

<class>—Set class-of-service parameters.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community properties associated with a route.

<cos-next-hop-map>—Set CoS-based next-hop map in forwarding table.

<damping>—Define BGP route flap damping parameters.

<default-action>—Set default policy action.

- accept—Accept a route.

- reject—Reject a route.

<destination-class>—Set destination class in forwarding table.

<exact>—Exactly match the prefix length.

<external>—External route.

<forwarding-class>—Set source or destination class in forwarding table.

<install-nexthop>—Choose the next hop to be used for forwarding.

<list\_name>—Name of prefix-list of routes to match.

<load-balance>—Type of load balancing in forwarding table.

<local-preference>—Local preference associated with a route.

<longer>—Mask is greater than the prefix length.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<next>—Skip to next policy or term.

- policy—Skip to next policy filter.

- term—Skip to next term in a policy filter.

<next-hop>—Set the address of the next-hop router.

<origin>—BGP path origin.

- **egp**—Path originated in another AS.
  - **igp**—Path originated in the local IGP.
  - **incomplete**—Path was learned by some other means.
- <orlonger>**—Mask is greater than or equal to the prefix length.
- <preference>**—Preference value.
- <preference2>**—Preference value 2.
- <priority>**—Set priority for route installation.
- **high**—Set priority to high.
  - **low**—Set priority to low.
  - **medium**—Set priority to medium.
- <reject>**—Reject a route.
- <source-class>**—Set source class in forwarding table.
- <tag>**—Tag string.
- <tag2>**—Tag string 2.
- <trace>**—Log matches to a trace file.

## <prefix-list-filter> (configuration/policy-options/ policy-statement/term/from)

---

**Usage** <configuration>  
           <policy-options>  
             <policy-statement>  
               <term>  
                 <from>  
                   **<prefix-list-filter>**  
                     <list\_name>*list\_name*</list\_name>   <!-- identifier -->  
                     <exact/>   <!-- identifier -->  
                     <longer/>   <!-- identifier -->  
                     <orlonger/>   <!-- identifier -->  
                     <metric>...</metric>  
                     <metric2>...</metric2>  
                     <metric3>...</metric3>  
                     <metric4>...</metric4>  
                     <tag>...</tag>  
                     <tag2>...</tag2>  
                     <preference>...</preference>  
                     <preference2>...</preference2>  
                     <color>...</color>  
                     <color2>...</color2>  
                     <local-preference>...</local-preference>  
                     <priority>*priority-choice*</priority>  
                     <origin>*origin-choice*</origin>  
                     <community>...</community>  
                     <damping>*damping*</damping>  
                     <as-path-prepend>*as-path-prepend*</as-path-prepend>  
                     <as-path-expand>...</as-path-expand>  
                     <next-hop>...</next-hop>  
                     <install-nexthop>...</install-nexthop>  
                     <trace/>  
                     <external>...</external>  
                     <load-balance>...</load-balance>  
                     <class>*class*</class>  
                     <destination-class>*destination-class*</destination-class>  
                     <source-class>*source-class*</source-class>  
                     <forwarding-class>*forwarding-class*</forwarding-class>  
                     <cos-next-hop-map>*cos-next-hop-map*</cos-next-hop-map>  
                     <default-action>*default-action-choice*</default-action>  
                     <next>*next-choice*</next>  
                     <accept/>  
                     <reject/>  
                   **</prefix-list-filter>**  
                 </from>  
               </term>  
             </policy-statement>  
           </policy-options>  
         </configuration>

**Description** List of prefix-list-filters to match.

**Contents** <accept>—Accept a route.



<as-path-expand>—Prepend AS numbers prior to adding local-as (BGP only).

<as-path-prepend>—Prepend AS numbers to an AS path (BGP only).

<class>—Set class-of-service parameters.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community properties associated with a route.

<cos-next-hop-map>—Set CoS-based next-hop map in forwarding table.

<damping>—Define BGP route flap damping parameters.

<default-action>—Set default policy action.

- accept—Accept a route.

- reject—Reject a route.

<destination-class>—Set destination class in forwarding table.

<exact>—Exactly match the prefix length.

<external>—External route.

<forwarding-class>—Set source or destination class in forwarding table.

<install-nexthop>—Choose the next hop to be used for forwarding.

<list\_name>—Name of prefix-list of routes to match.

<load-balance>—Type of load balancing in forwarding table.

<local-preference>—Local preference associated with a route.

<longer>—Mask is greater than the prefix length.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<next>—Skip to next policy or term.

- policy—Skip to next policy filter.

- term—Skip to next term in a policy filter.

<next-hop>—Set the address of the next-hop router.

<origin>—BGP path origin.

- **egp**—Path originated in another AS.
- **igp**—Path originated in the local IGP.
- **incomplete**—Path was learned by some other means.

<orlonger>—Mask is greater than or equal to the prefix length.

<preference>—Preference value.

<preference2>—Preference value 2.

<priority>—Set priority for route installation.

- **high**—Set priority to high.
- **low**—Set priority to low.
- **medium**—Set priority to medium.

<reject>—Reject a route.

<source-class>—Set source class in forwarding table.

<tag>—Tag string.

<tag2>—Tag string 2.

<trace>—Log matches to a trace file.

## **<prefix-list-item> (configuration/logical-systems/ policy-options/prefix-list)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <policy-options>  
          <prefix-list>  
          **<prefix-list-item>**  
          <name>name</name>   <!-- identifier -->  
          **</prefix-list-item>**  
          </prefix-list>  
          </policy-options>  
          </logical-systems>  
          </configuration>

**Description**   No documentation is available yet.

**Contents**    <name>—Address prefix.

**<prefix-list-item> (configuration/policy-options/prefix-list)**

---

**Usage** <configuration>  
           <policy-options>  
           <prefix-list>  
             **<prefix-list-item>**  
               <name>name</name>   <!-- identifier -->  
             **</prefix-list-item>**  
           </prefix-list>  
         </policy-options>  
       </configuration>

**Description** No documentation is available yet.

**Contents** <name>—Address prefix.

**<premium> (configuration/dynamic-profiles/interfaces/interface/gigether-options/ethernet-switch-profile/ethernet-policer-profile/input-priority-map/ieee-802.1p)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
             <gigether-options>  
               <ethernet-switch-profile>  
                 <ethernet-policer-profile>  
                   <input-priority-map>  
                     <ieee-802.1p>  
                       **<premium>**  
                         <name>name</name>   <!-- identifier -->  
                       **</premium>**  
                     </ieee-802.1p>  
                   </input-priority-map>  
                 </ethernet-policer-profile>  
               </ethernet-switch-profile>  
             </gigether-options>  
           </interface>  
         </interfaces>  
       </dynamic-profiles>  
     </configuration>

**Description** Input traffic's IEEE 802.1p value to which premium policer is applied.

**Contents** <name>—Input traffic's IEEE 802.1p value to which premium policer is applied.

## **<premium> (configuration/dynamic-profiles/interfaces/interface/gigether-options/ethernet-switch-profile/ethernet-policer-profile/output-priority-map/classifier)**

---

**Usage**

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <gigether-options>
          <ethernet-switch-profile>
            <ethernet-policer-profile>
              <output-priority-map>
                <classifier>
                  <premium>
                    <forwarding-class>...</forwarding-class>
                  </premium>
                </classifier>
              </output-priority-map>
            </ethernet-policer-profile>
          </ethernet-switch-profile>
        </gigether-options>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

**Description** Output traffic classifier to which premium policer is applied.

**Contents** <forwarding-class>—Select a classification for this priority map.

## **<premium> (configuration/dynamic-profiles/interfaces/interface/ gigether-options/ethernet-switch-profile/ ethernet-policer-profile/policer)**

---

**Usage**   <configuration>  
               <dynamic-profiles>  
               <interfaces>  
               <interface>  
               <gigether-options>  
               <ethernet-switch-profile>  
               <ethernet-policer-profile>  
               <policer>  
               **<premium>**  
               <bandwidth-limit>*bits per second*</bandwidth-limit>  
               <burst-size-limit>*bytes*</burst-size-limit>   <!-- mandatory -->  
               **</premium>**  
               </policer>  
               </ethernet-policer-profile>  
               </ethernet-switch-profile>  
               </gigether-options>  
               </interface>  
               </interfaces>  
               </dynamic-profiles>  
               </configuration>

**Description**   Policer to apply to premium traffic.

**Contents**   <bandwidth-limit>—Bandwidth limit.  
               <burst-size-limit>—Burst size limit.

## **<premium> (configuration/interfaces/interface/gigether-options/ethernet-switch-profile/ethernet-policer-profile/input-priority-map/ieee-802.1p)**

---

**Usage**

```

<configuration>
  <interfaces>
    <interface>
      <gigether-options>
        <ethernet-switch-profile>
          <ethernet-policer-profile>
            <input-priority-map>
              <ieee-802.1p>
                <premium>
                  <name>name</name>    <!-- identifier -->
                </premium>
              </ieee-802.1p>
            </input-priority-map>
          </ethernet-policer-profile>
        </ethernet-switch-profile>
      </gigether-options>
    </interface>
  </interfaces>
</configuration>

```

**Description** Input traffic's IEEE 802.1p value to which premium policer is applied.

**Contents** <name>—Input traffic's IEEE 802.1p value to which premium policer is applied.

## **<premium> (configuration/interfaces/interface/gigether-options/ethernet-switch-profile/ethernet-policer-profile/output-priority-map/classifier)**

---

**Usage**   <configuration>  
               <interfaces>  
               <interface>  
                   <gigether-options>  
                   <ethernet-switch-profile>  
                   <ethernet-policer-profile>  
                   <output-priority-map>  
                   <classifier>  
                       **<premium>**  
                           <forwarding-class>...</forwarding-class>  
                       **</premium>**  
                   </classifier>  
                   </output-priority-map>  
                   </ethernet-policer-profile>  
                   </ethernet-switch-profile>  
                   </gigether-options>  
               </interface>  
               </interfaces>  
               </configuration>

**Description**   Output traffic classifier to which premium policer is applied.

**Contents**   <forwarding-class>—Select a classification for this priority map.

## **<premium> (configuration/interfaces/interface/gigether-options/ethernet-switch-profile/ethernet-policer-profile/policer)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <gigether-options>  
                 <ethernet-switch-profile>  
                   <ethernet-policer-profile>  
                     <policer>  
                       **<premium>**  
                         <bandwidth-limit>*bits per second*</bandwidth-limit>  
                         <burst-size-limit>*bytes*</burst-size-limit>   <!-- mandatory -->  
                       **</premium>**  
                     </policer>  
                   </ethernet-policer-profile>  
                 </ethernet-switch-profile>  
               </gigether-options>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** Policer to apply to premium traffic.

**Contents** <bandwidth-limit>—Bandwidth limit.  
             <burst-size-limit>—Burst size limit.

## **<primary> (configuration/chassis/synchronization)**

---

**Usage** <configuration>  
           <chassis>  
             <synchronization>  
               **<primary>**  
                 <external-a/>  
                 <external-b/>  
               **</primary>**  
             </synchronization>  
           </chassis>  
         </configuration>

**Description** Best choice synchronization reference source list.

**Contents** <external-a>—Use external-a as a primary source.  
             <external-b>—Use external-b as a primary source.



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

---

**Usage** <configuration>  
 <logical-systems>  
 <protocols>  
 <mpls>  
 <label-switched-path>  
   **<primary>**  
     <name>*name*</name>   <!-- identifier -->  
     <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>  
     <adaptive/>  
     <select>*select-choice*</select>  
   **</primary>**  
 </label-switched-path>  
 </mpls>  
 </protocols>  
 </logical-systems>  
 </configuration>

**Description** Preferred 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.  
 <bandwidth>—Bandwidth to reserve (bps).  
 <class-of-service>—Class-of-service value.  
 <hop-limit>—Maximum allowed router hops.  
 <name>—Name of path.  
 <no-cspf>—Disable automatic path computation.  
 <no-decrement-ttl>—Do not decrement the TTL within an LSP.  
 <oam>—Periodic OAM.

<optimize-timer>—Periodical path reoptimizations.

<preference>—Preference value.

<record>—Record transit routers.

<reservation-priority>—Reservation priority.

<select>—No documentation is available yet.

- **manual**—Manual override as preferred active path, if up and stable.
- **unconditional**—Unconditional override as preferred active path, regardless of up/down status.

<setup-priority>—Set-up priority.

<standby>—Keep backup paths in continuous standby.

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

---

**Usage** <configuration>  
 <protocols>  
 <mpls>  
 <label-switched-path>  
   **<primary>**  
     <name>*name*</name>   <!-- identifier -->  
     <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>  
     <adaptive/>  
     <select>*select-choice*</select>  
   **</primary>**  
 </label-switched-path>  
 </mpls>  
 </protocols>  
 </configuration>

**Description** Preferred 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.  
 <bandwidth>—Bandwidth to reserve (bps).  
 <class-of-service>—Class-of-service value.  
 <hop-limit>—Maximum allowed router hops.  
 <name>—Name of path.  
 <no-cspf>—Disable automatic path computation.  
 <no-decrement-ttl>—Do not decrement the TTL within an LSP.  
 <oam>—Periodic OAM.  
 <optimize-timer>—Periodical path reoptimizations.  
 <preference>—Preference value.

<record>—Record transit routers.

<reservation-priority>—Reservation priority.

<select>—No documentation is available yet.

- manual—Manual override as preferred active path, if up and stable.
- unconditional—Unconditional override as preferred active path, regardless of up/down status.

<setup-priority>—Set-up priority.

<standby>—Keep backup paths in continuous standby.

## <priority> (configuration/class-of-service/fabric/scheduler-map)

---

**Usage**

```
<configuration>
  <class-of-service>
    <fabric>
      <scheduler-map>
        <priority>
          <name>name</name>    <!-- identifier -->
          <scheduler>scheduler</scheduler>  <!-- mandatory -->
        </priority>
      </scheduler-map>
    </fabric>
  </class-of-service>
</configuration>
```

**Description** Fabric traffic priority.

**Contents** <name>—No documentation is available yet.

- high—High priority fabric traffic.
- low—Low priority fabric traffic.

<scheduler>—Scheduler name.

## **<priority> (configuration/dynamic-profiles/class-of-service/fabric/scheduler-map)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;dynamic-profiles&gt;     &lt;class-of-service&gt;       &lt;fabric&gt;         &lt;scheduler-map&gt;           &lt;priority&gt;             &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;             &lt;scheduler&gt;scheduler&lt;/scheduler&gt;  &lt;!-- mandatory --&gt;           &lt;/priority&gt;         &lt;/scheduler-map&gt;       &lt;/fabric&gt;     &lt;/class-of-service&gt;   &lt;/dynamic-profiles&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Fabric traffic priority.
<b>Contents</b>	<p>&lt;name&gt;—No documentation is available yet.</p> <ul style="list-style-type: none"> <li>■ high—High priority fabric traffic.</li> <li>■ low—Low priority fabric traffic.</li> </ul> <p>&lt;scheduler&gt;—Scheduler name.</p>

## **<privacy-3des> (configuration/snmp/v3/usm/local-engine/user)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;snmp&gt;     &lt;v3&gt;       &lt;usm&gt;         &lt;local-engine&gt;           &lt;user&gt;             &lt;privacy-3des&gt;               &lt;privacy-password&gt;privacy-password&lt;/privacy-password&gt;             &lt;/privacy-3des&gt;           &lt;/user&gt;         &lt;/local-engine&gt;       &lt;/usm&gt;     &lt;/v3&gt;   &lt;/snmp&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Configure Triple DES privacy.
<b>Contents</b>	<privacy-password>—User's privacy password.

**<privacy-3des> (configuration/snmp/v3/usm/remote-engine/user)**

---

**Usage** <configuration>  
     <snmp>  
         <v3>  
             <usm>  
                 <remote-engine>  
                     <user>  
                         **<privacy-3des>**  
                             <privacy-password>privacy-password</privacy-password>  
                         **</privacy-3des>**  
                     </user>  
                 </remote-engine>  
             </usm>  
         </v3>  
     </snmp>  
</configuration>

**Description** Configure Triple DES privacy.

**Contents** <privacy-password>—User's privacy password.

**<privacy-aes128> (configuration/snmp/v3/usm/local-engine/user)**

---

**Usage** <configuration>  
     <snmp>  
         <v3>  
             <usm>  
                 <local-engine>  
                     <user>  
                         **<privacy-aes128>**  
                             <privacy-password>privacy-password</privacy-password>  
                         **</privacy-aes128>**  
                     </user>  
                 </local-engine>  
             </usm>  
         </v3>  
     </snmp>  
</configuration>

**Description** Configure AES128 privacy.

**Contents** <privacy-password>—User's privacy password.

**<privacy-aes128> (configuration/snmp/v3/usm/remote-engine/user)**

---

**Usage** <configuration>  
     <snmp>  
         <v3>  
             <usm>  
                 <remote-engine>  
                     <user>  
                         **<privacy-aes128>**  
                             <privacy-password>*privacy-password*</privacy-password>  
                         **</privacy-aes128>**  
                     </user>  
                 </remote-engine>  
             </usm>  
         </v3>  
     </snmp>  
</configuration>

**Description** Configure AES128 privacy.

**Contents** <privacy-password>—User's privacy password.

**<privacy-des> (configuration/snmp/v3/usm/local-engine/user)**

---

**Usage** <configuration>  
     <snmp>  
         <v3>  
             <usm>  
                 <local-engine>  
                     <user>  
                         **<privacy-des>**  
                             <privacy-password>*privacy-password*</privacy-password>  
                         **</privacy-des>**  
                     </user>  
                 </local-engine>  
             </usm>  
         </v3>  
     </snmp>  
</configuration>

**Description** Configure DES privacy.

**Contents** <privacy-password>—User's privacy password.

**<privacy-des> (configuration/snmp/v3/usm/remote-engine/user)**

---

**Usage** <configuration>  
           <snmp>  
             <v3>  
               <usm>  
                 <remote-engine>  
                   <user>  
                     **<privacy-des>**  
                       <privacy-password>*privacy-password*</privacy-password>  
                     **</privacy-des>**  
                   </user>  
                 </remote-engine>  
               </usm>  
             </v3>  
           </snmp>  
         </configuration>

**Description** Configure DES privacy.

**Contents** <privacy-password>—User's privacy password.

**<probe> (configuration/services/rpm)**

---

**Usage** <configuration>  
           <services>  
             <rpm>  
               **<probe>**  
                 <name>*name*</name>   <!-- identifier -->  
                 <test>...</test>  
               **</probe>**  
             </rpm>  
           </services>  
         </configuration>

**Description** TCP/UDP/ICMP ping.

**Contents** <name>—Name of owner.

          <test>—TCP/UDP/ICMP ping test.



**<probe-server> (configuration/services/rpm)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;services&gt;     &lt;rpm&gt;       &lt;probe-server&gt;         &lt;icmp&gt;...&lt;/icmp&gt;         &lt;tcp&gt;...&lt;/tcp&gt;         &lt;udp&gt;...&lt;/udp&gt;       &lt;/probe-server&gt;     &lt;/rpm&gt;   &lt;/services&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	ICMP/TCP/UDP probe server.
<b>Contents</b>	<pre>&lt;icmp&gt;—ICMP probe server.  &lt;tcp&gt;—TCP probe server.  &lt;udp&gt;—UDP probe server.</pre>

**<process-monitor> (configuration/system/processes)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;system&gt;     &lt;processes&gt;       &lt;process-monitor&gt;         &lt;disable/&gt;         &lt;traceoptions&gt;...&lt;/traceoptions&gt;       &lt;/process-monitor&gt;     &lt;/processes&gt;   &lt;/system&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Process health monitor process.
<b>Contents</b>	<pre>&lt;disable&gt;—Disable Process health monitor process.  &lt;traceoptions&gt;—Process health monitor trace options.</pre>

**<processes> (configuration/system)**

---

**Usage** <configuration>  
           <system>  
             **<processes>**  
               <routing>...</routing>  
               <chassis-control>...</chassis-control>  
               <service-pics>...</service-pics>  
               <ntp>...</ntp>  
               <watchdog>...</watchdog>  
               <process-monitor>...</process-monitor>  
               <resource-cleanup>...</resource-cleanup>  
               <routing-socket-proxy>...</routing-socket-proxy>  
               <web-management>...</web-management>  
               <cfm>...</cfm>  
               <general-authentication-service>...</general-authentication-service>  
               <diameter-service>...</diameter-service>  
               <mac-validation>...</mac-validation>  
               <sbc-configuration-process>...</sbc-configuration-process>  
               <send>...</send>  
               <daemon-process>...</daemon-process>  
             **</processes>**  
           </system>  
         </configuration>

**Description** Process control.

**Contents** <cfm>—Ethernet OAM connectivity fault management process.

<chassis-control>—Chassis control process.

<daemon-process>—No documentation is available yet.

<diameter-service>—Diameter process.

<general-authentication-service>—General authentication service process.

<mac-validation>—Process mac validation process.

<ntp>—Network time process.

<process-monitor>—Process health monitor process.

<resource-cleanup>—Resource cleanup process.

<routing>—Routing process.

<routing-socket-proxy>—Routing socket proxy process.

<sbc-configuration-process>—SBC configuration process.

<send>—Secure Neighbor Discovery Protocol process.

<service-pics>—Service PICs process.

<watchdog>—Watchdog timer.

<web-management>—Web management process.

## <profile> (configuration/access)

---

**Usage** <configuration>  
     <access>  
         <profile>  
             <name>*name*</name>   <!-- identifier -->  
             <accounting-order>...</accounting-order>  
             <authentication-order>...</authentication-order>  
             <client>...</client>  
             <radius>...</radius>  
             <session-options>...</session-options>  
             <client-name-filter>...</client-name-filter>  
             <ldap-options>...</ldap-options>  
             <ldap-server>...</ldap-server>  
             <radius-server>...</radius-server>  
             <radius-options>...</radius-options>  
             <accounting>...</accounting>  
         </profile>  
     </access>  
 </configuration>

**Description** Set of attributes that define access.

**Contents** <accounting>—Specifies the accounting options.

<accounting-order>—Order in which accounting mechanisms are used.

<authentication-order>—Order in which authentication mechanisms are used.

<client>—Entity requesting access.

<client-name-filter>—Restrictions on client names.

<ldap-options>—Lightweight Directory Access Protocol options.

<ldap-server>—Lightweight Directory Access Protocol server.

<name>—Profile name.

<radius>—Set of RADIUS configurations.

<radius-options>—RADIUS options.

<radius-server>—RADIUS server configuration.

<session-options>—Options for an authenticated client's session.

**<profile> (configuration/services/ggsn/apn/qos-control)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <apn>  
           <qos-control>  
           **<profile>**  
             <name>*name*</name>   <!-- identifier -->  
             <default>...</default>  
             <roaming-class>...</roaming-class>  
             <sgsn-class>...</sgsn-class>  
           **</profile>**  
           </qos-control>  
           </apn>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   QoS control profile.

**Contents**   <default>—Default QoS.  
               <name>—Profile identifier.  
               <roaming-class>—Roaming class.  
               <sgsn-class>—SGSN class.

**<profile> (configuration/services/ggsn/apn/  
service-based-charging/block-based-charging)**

---

**Usage**   <configuration>  
          <services>  
          <ggsn>  
          <apn>  
          <service-based-charging>  
          <block-based-charging>  
          **<profile>**  
            <name>name</name>   <!-- identifier -->  
            <default-roaming-class>...</default-roaming-class>  
            <roaming-class>...</roaming-class>  
          **</profile>**  
          </block-based-charging>  
          </service-based-charging>  
          </apn>  
          </ggsn>  
          </services>  
          </configuration>

**Description**   Block-based charging profile.

**Contents**   <default-roaming-class>—Default roaming class.  
  
              <name>—Profile identifier.  
  
              <roaming-class>—Roaming class.

## **<profile> (configuration/services/ggsn/apn/service-based-charging/charging-unit)**

---

**Usage**   <configuration>  
          <services>  
          <ggsn>  
          <apn>  
          <service-based-charging>  
          <charging-unit>  
          **<profile>**  
            <name>name</name>   <!-- identifier -->  
            <currency>currency-choice</currency>  
          **</profile>**  
          </charging-unit>  
          </service-based-charging>  
          </apn>  
          </ggsn>  
          </services>  
        </configuration>

**Description**   Charging unit profile.

**Contents**   <currency>—No documentation is available yet.

- currency-match—A number in the format nnn (000 ... 999).
- eur—Euro.
- no-currency—No currency specified.
- usd—US dollar.

<name>—Profile identifier.

## **<profile> (configuration/services/ggsn/apn/service-based-charging/credit-control)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <apn>  
                 <service-based-charging>  
                     <credit-control>  
                         **<profile>**  
                             <name>*name*</name>   <!-- identifier -->  
                             <diameter-application-system>*diameter-application-system*  
                                 </diameter-application-system>   <!-- mandatory -->  
                             <request-duration>*minutes*</request-duration>  
                             <request-quota>...</request-quota>   <!-- mandatory -->  
                             <unit-type>*unit-type-choice*</unit-type>   <!-- mandatory -->  
                             <provider-id>*provider-id*</provider-id>  
                             <subscription-id>...</subscription-id>  
                             <apn-identifier/>  
                             <failure-action>*failure-action-choice*</failure-action>  
                             <quota-denied-action>...</quota-denied-action>  
                             <quota-denied-redirect/>  
                             <request-credit-on-activation/>  
                         **</profile>**  
                     </credit-control>  
                 </service-based-charging>  
             </apn>  
         </ggsn>  
     </services>  
</configuration>

**Description** Credit control profile.

**Contents** <apn-identifier>—Include service provider APN name.

<diameter-application-system>—Diameter application system.

<failure-action>—Failure action settings.

- free-services—Allow free services.
- post-paid—Switch to post-paid handling of contexts.
- terminate-contexts—Terminate associated contexts.

<name>—Profile identifier.

<provider-id>—Provider identifier.

<quota-denied-action>—Action to take when user quota is empty.

<quota-denied-redirect>—Redirect non-free services if user quota is empty.

<request-credit-on-activation>—Send request to CCS on primary activation.

<request-duration>—Credit validity duration time.

<request-quota>—Proposed quota to request.

<subscription-id>—Subscription identifier.

<unit-type>—Unit for proposed values.

- money—Units are monetary values.

- volume—Units are volume-based.



## **<profile> (configuration/services/ggsn/apn/service-based-charging/policy-control/dynamic)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <apn>  
                 <service-based-charging>  
                     <policy-control>  
                         <dynamic>  
                             **<profile>**  
                                 <name>*name*</name>   <!-- identifier -->  
                                 <diameter-application-system>*diameter-application-system*  
                                     </diameter-application-system>   <!-- mandatory -->  
                                 <quality-of-service>*quality-of-service-choice*</quality-of-service>  
                                 <subscription-id>...</subscription-id>  
                                 <failure-action>*failure-action-choice*</failure-action>  
                             **</profile>**  
                         </dynamic>  
                     </policy-control>  
                 </service-based-charging>  
             </apn>  
         </ggsn>  
     </services>  
</configuration>

**Description** Policy control dynamic profile.

**Contents** <diameter-application-system>—Diameter application system.

<failure-action>—Failure settings.

- **terminate-contexts**—Terminate associated contexts.
- **use-static**—Use the static rating configuration.

<name>—Profile identifier.

<quality-of-service>—Quality of service settings.

- **3gpp**—Use 3GPP quality of service.
- **3gpp-extended**—Use 3GPP extended quality of service.
- **diffserv**—Use DiffServ quality of service.

<subscription-id>—Subscription identifier.

**<profile> (configuration/services/ggsn/apn/service-based-charging/policy-control/static)**

---

**Usage**   <configuration>  
          <services>  
          <ggsn>  
          <apn>  
          <service-based-charging>  
          <policy-control>  
          <static>  
          **<profile>**  
            <name>*name*</name>   <!-- identifier -->  
            <activation-time>...</activation-time>  
            <all-time>...</all-time>  
          **</profile>**  
          </static>  
          </policy-control>  
          </service-based-charging>  
          </apn>  
          </ggsn>  
          </services>  
          </configuration>

**Description**   Policy control static profile.

**Contents**   <activation-time>—Activation time for rates.

          <all-time>—Time-independent rates.

          <name>—Profile identifier.

## **<profile> (configuration/services/ggsn/apn/service-based-charging/rating-control)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;apn&gt;         &lt;service-based-charging&gt;           &lt;rating-control&gt;             &lt;profile&gt;               &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;               &lt;postpaid/&gt;             &lt;/profile&gt;           &lt;/rating-control&gt;         &lt;/service-based-charging&gt;       &lt;/apn&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Rating control profile.
<b>Contents</b>	<p>&lt;name&gt;—Profile identifier.</p> <p>&lt;postpaid&gt;—Activate rating for post-paid subscribers.</p>

## **<profile0> (configuration/services/ggsn/apn/pdp-context/session-control/idle-timeout/charging-profile)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;apn&gt;         &lt;pdp-context&gt;           &lt;session-control&gt;             &lt;idle-timeout&gt;               &lt;charging-profile&gt;                 &lt;profile0&gt;                   &lt;timeout&gt;minutes&lt;/timeout&gt;    &lt;!-- mandatory --&gt;                 &lt;/profile0&gt;               &lt;/charging-profile&gt;             &lt;/idle-timeout&gt;           &lt;/session-control&gt;         &lt;/pdp-context&gt;       &lt;/apn&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Profile 0.
<b>Contents</b>	<timeout>—Maximum consecutive idle minutes for a context.

**<profile0> (configuration/services/ggsn/apn/pdp-context/  
session-control/session-timeout/charging-profile)**

---

**Usage**

```
<configuration>
  <services>
    <ggsn>
      <apn>
        <pdp-context>
          <session-control>
            <session-timeout>
              <charging-profile>
                <profile0>
                  <timeout>minutes</timeout>    <!-- mandatory -->
                </profile0>
              </charging-profile>
            </session-timeout>
          </session-control>
        </pdp-context>
      </apn>
    </ggsn>
  </services>
</configuration>
```

**Description** Profile 0.

**Contents** <timeout>—Maximum duration for a context.

**<profile0> (configuration/services/ggsn/charging/characteristics)**

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               <charging>  
                 <characteristics>  
                   **<profile0>**  
                     <volume-limit>*kilobytes*</volume-limit>  
                     <time-limit>*minutes*</time-limit>  
                     <call-detail/>  
                     <change-limit>*change-limit*</change-limit>  
                     <transfer-type>*transfer-type-choice*</transfer-type>  
                     <gtp-prime>...</gtp-prime>  
                   **</profile0>**  
                 </characteristics>  
               </charging>  
             </ggsn>  
           </services>  
         </configuration>

**Description** Profile 0 clients.

**Contents** <call-detail>—Generate call data records.

<change-limit>—Maximum record changes to buffer on PIC.

<gtp-prime>—Characteristic specific GTP Prime configuration.

<time-limit>—Time to buffer charging data.

<transfer-type>—Method used to transfer charging data.

- ftp-pull—Charging data transfer uses FTP pull only.
- gtp-prime—Charging data transfer uses GTP Prime only.
- gtp-ftp—Charging data transfer uses both FTP pull and GTP Prime.

<volume-limit>—Volume of charging data to buffer.

## **<profile0> (configuration/services/ggsn/charging/imsi-based-characteristics)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;charging&gt;         &lt;imsi-based-characteristics&gt;           &lt;profile0&gt;             &lt;imsi&gt;...&lt;/imsi&gt;           &lt;/profile0&gt;         &lt;/imsi-based-characteristics&gt;       &lt;/charging&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Profile 0 clients.
<b>Contents</b>	<imsi>—Specify IMSI patterns using regular expressions.

## **<profile0> (configuration/services/ggsn/pdp-context/session-control/idle-timeout/charging-profile)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;pdp-context&gt;         &lt;session-control&gt;           &lt;idle-timeout&gt;             &lt;charging-profile&gt;               &lt;profile0&gt;                 &lt;timeout&gt;minutes&lt;/timeout&gt;    &lt;!-- mandatory --&gt;               &lt;/profile0&gt;             &lt;/charging-profile&gt;           &lt;/idle-timeout&gt;         &lt;/session-control&gt;       &lt;/pdp-context&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Profile 0.
<b>Contents</b>	<timeout>—Maximum consecutive idle minutes for a context.

### **<profile0> (configuration/services/ggsn/pdp-context/session-control/session-timeout/charging-profile)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <pdp-context>  
                 <session-control>  
                     <session-timeout>  
                         <charging-profile>  
                             **<profile0>**  
                                 <timeout>*minutes*</timeout>   <!-- mandatory -->  
                             **</profile0>**  
                         </charging-profile>  
                     </session-timeout>  
                 </session-control>  
     </pdp-context>  
     </ggsn>  
     </services>  
 </configuration>

**Description** Profile 0.

**Contents** <timeout>—Maximum duration for a context.

### **<profile1> (configuration/services/ggsn/apn/pdp-context/session-control/idle-timeout/charging-profile)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <apn>  
                 <pdp-context>  
                     <session-control>  
                         <idle-timeout>  
                             <charging-profile>  
                                 **<profile1>**  
                                     <timeout>*minutes*</timeout>   <!-- mandatory -->  
                                 **</profile1>**  
                             </charging-profile>  
                         </idle-timeout>  
                 </session-control>  
     </pdp-context>  
     </apn>  
     </ggsn>  
     </services>  
 </configuration>

**Description** Profile 1.

**Contents** <timeout>—Maximum consecutive idle minutes for a context.

**<profile1> (configuration/services/ggsn/apn/pdp-context/  
session-control/session-timeout/charging-profile)**

---

**Usage**   <configuration>  
          <services>  
          <ggsn>  
          <apn>  
          <pdp-context>  
          <session-control>  
          <session-timeout>  
          <charging-profile>  
          **<profile1>**  
            <timeout>*minutes*</timeout>   <!-- mandatory -->  
          **</profile1>**  
          </charging-profile>  
          </session-timeout>  
          </session-control>  
          </pdp-context>  
          </apn>  
          </ggsn>  
          </services>  
          </configuration>

**Description**   Profile 1.

**Contents**    <timeout>—Maximum duration for a context.



**<profile1> (configuration/services/ggsn/charging/characteristics)**

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               <charging>  
                 <characteristics>  
                   **<profile1>**  
                     <volume-limit>*kilobytes*</volume-limit>  
                     <time-limit>*minutes*</time-limit>  
                     <call-detail/>  
                     <change-limit>*change-limit*</change-limit>  
                     <transfer-type>*transfer-type-choice*</transfer-type>  
                     <gtp-prime>...</gtp-prime>  
                   **</profile1>**  
                 </characteristics>  
               </charging>  
             </ggsn>  
           </services>  
         </configuration>

**Description** Profile 1 clients.

**Contents** <call-detail>—Generate call data records.

<change-limit>—Maximum record changes to buffer on PIC.

<gtp-prime>—Characteristic specific GTP Prime configuration.

<time-limit>—Time to buffer charging data.

<transfer-type>—Method used to transfer charging data.

- ftp-pull—Charging data transfer uses FTP pull only.
- gtp-prime—Charging data transfer uses GTP Prime only.
- gtp-ftp—Charging data transfer uses both FTP pull and GTP Prime.

<volume-limit>—Volume of charging data to buffer.

## **<profile1> (configuration/services/ggsn/charging/imsi-based-characteristics)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <charging>  
                 <imsi-based-characteristics>  
                     **<profile1>**  
                         <imsi>...</imsi>  
                     **</profile1>**  
                 </imsi-based-characteristics>  
             </charging>  
         </ggsn>  
     </services>  
 </configuration>

**Description** Profile 1 clients.

**Contents** <imsi>—Specify IMSI patterns using regular expressions.

## **<profile1> (configuration/services/ggsn/pdp-context/session-control/idle-timeout/charging-profile)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <pdp-context>  
                 <session-control>  
                     <idle-timeout>  
                         <charging-profile>  
                             **<profile1>**  
                                 <timeout>*minutes*</timeout>   <!-- mandatory -->  
                             **</profile1>**  
                         </charging-profile>  
                     </idle-timeout>  
                 </session-control>  
             </pdp-context>  
         </ggsn>  
     </services>  
 </configuration>

**Description** Profile 1.

**Contents** <timeout>—Maximum consecutive idle minutes for a context.

### **<profile1> (configuration/services/ggsn/pdp-context/session-control/session-timeout/charging-profile)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <pdp-context>  
                 <session-control>  
                     <session-timeout>  
                         <charging-profile>  
                             **<profile1>**  
                                 <timeout>*minutes*</timeout>   <!-- mandatory -->  
                             **</profile1>**  
                         </charging-profile>  
                     </session-timeout>  
                 </session-control>  
     </pdp-context>  
     </ggsn>  
     </services>  
 </configuration>

**Description** Profile 1.

**Contents** <timeout>—Maximum duration for a context.

### **<profile10> (configuration/services/ggsn/apn/pdp-context/session-control/idle-timeout/charging-profile)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <apn>  
                 <pdp-context>  
                     <session-control>  
                         <idle-timeout>  
                             <charging-profile>  
                                 **<profile10>**  
                                     <timeout>*minutes*</timeout>   <!-- mandatory -->  
                                 **</profile10>**  
                             </charging-profile>  
                         </idle-timeout>  
                 </session-control>  
     </pdp-context>  
     </apn>  
     </ggsn>  
     </services>  
 </configuration>

**Description** Profile 10.

**Contents** <timeout>—Maximum consecutive idle minutes for a context.

## **<profile10> (configuration/services/ggsn/apn/pdp-context/ session-control/session-timeout/charging-profile)**

---

**Usage**

```

<configuration>
  <services>
    <ggsn>
      <apn>
        <pdp-context>
          <session-control>
            <session-timeout>
              <charging-profile>
                <profile10>
                  <timeout>minutes</timeout>    <!-- mandatory -->
                </profile10>
              </charging-profile>
            </session-timeout>
          </session-control>
        </pdp-context>
      </apn>
    </ggsn>
  </services>
</configuration>

```

**Description** Profile 10.

**Contents** <timeout>—Maximum duration for a context.

## <profile10> (configuration/services/ggsn/charging/characteristics)

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <charging>  
                 <characteristics>  
                     **<profile10>**  
                         <volume-limit>*kilobytes*</volume-limit>  
                         <time-limit>*minutes*</time-limit>  
                         <call-detail/>  
                         <change-limit>*change-limit*</change-limit>  
                         <transfer-type>*transfer-type-choice*</transfer-type>  
                         <gtp-prime>...</gtp-prime>  
                     **</profile10>**  
                 </characteristics>  
             </charging>  
         </ggsn>  
     </services>  
</configuration>

**Description** Profile 10 clients.

**Contents** <call-detail>—Generate call data records.

<change-limit>—Maximum record changes to buffer on PIC.

<gtp-prime>—Characteristic specific GTP Prime configuration.

<time-limit>—Time to buffer charging data.

<transfer-type>—Method used to transfer charging data.

- ftp-pull—Charging data transfer uses FTP pull only.
- gtp-prime—Charging data transfer uses GTP Prime only.
- gtp-ftp—Charging data transfer uses both FTP pull and GTP Prime.

<volume-limit>—Volume of charging data to buffer.

## <profile10> (configuration/services/ggsn/charging/imsi-based-characteristics)

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;charging&gt;         &lt;imsi-based-characteristics&gt;           &lt;profile10&gt;             &lt;imsi&gt;...&lt;/imsi&gt;           &lt;/profile10&gt;         &lt;/imsi-based-characteristics&gt;       &lt;/charging&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Profile 10 clients.
<b>Contents</b>	<imsi>—Specify IMSI patterns using regular expressions.

## <profile10> (configuration/services/ggsn/pdp-context/session-control/idle-timeout/charging-profile)

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;pdp-context&gt;         &lt;session-control&gt;           &lt;idle-timeout&gt;             &lt;charging-profile&gt;               &lt;profile10&gt;                 &lt;timeout&gt;minutes&lt;/timeout&gt;    &lt;!-- mandatory --&gt;               &lt;/profile10&gt;             &lt;/charging-profile&gt;           &lt;/idle-timeout&gt;         &lt;/session-control&gt;       &lt;/pdp-context&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Profile 10.
<b>Contents</b>	<timeout>—Maximum consecutive idle minutes for a context.

### **<profile10> (configuration/services/ggsn/pdp-context/session-control/session-timeout/charging-profile)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <pdp-context>  
           <session-control>  
           <session-timeout>  
           <charging-profile>  
           **<profile10>**  
           <timeout>*minutes*</timeout>   <!-- mandatory -->  
           **</profile10>**  
           </charging-profile>  
           </session-timeout>  
           </session-control>  
           </pdp-context>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Profile 10.

**Contents**   <timeout>—Maximum duration for a context.

### **<profile11> (configuration/services/ggsn/apn/pdp-context/session-control/idle-timeout/charging-profile)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <apn>  
           <pdp-context>  
           <session-control>  
           <idle-timeout>  
           <charging-profile>  
           **<profile11>**  
           <timeout>*minutes*</timeout>   <!-- mandatory -->  
           **</profile11>**  
           </charging-profile>  
           </idle-timeout>  
           </session-control>  
           </pdp-context>  
           </apn>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Profile 11.

**Contents**   <timeout>—Maximum consecutive idle minutes for a context.

## **<profile11> (configuration/services/ggsn/apn/pdp-context/ session-control/session-timeout/charging-profile)**

---

**Usage**

```

<configuration>
  <services>
    <ggsn>
      <apn>
        <pdp-context>
          <session-control>
            <session-timeout>
              <charging-profile>
                <profile11>
                  <timeout>minutes</timeout>    <!-- mandatory -->
                </profile11>
              </charging-profile>
            </session-timeout>
          </session-control>
        </pdp-context>
      </apn>
    </ggsn>
  </services>
</configuration>

```

**Description** Profile 11.

**Contents** <timeout>—Maximum duration for a context.



## **<profile11> (configuration/services/ggsn/charging/characteristics)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <charging>  
                 <characteristics>  
                     **<profile11>**  
                         <volume-limit>*kilobytes*</volume-limit>  
                         <time-limit>*minutes*</time-limit>  
                         <call-detail/>  
                         <change-limit>*change-limit*</change-limit>  
                         <transfer-type>*transfer-type-choice*</transfer-type>  
                         <gtp-prime>...</gtp-prime>  
                     **</profile11>**  
                 </characteristics>  
             </charging>  
         </ggsn>  
     </services>  
</configuration>

**Description** Profile 11 clients.

**Contents** <call-detail>—Generate call data records.

<change-limit>—Maximum record changes to buffer on PIC.

<gtp-prime>—Characteristic specific GTP Prime configuration.

<time-limit>—Time to buffer charging data.

<transfer-type>—Method used to transfer charging data.

- ftp-pull—Charging data transfer uses FTP pull only.
- gtp-prime—Charging data transfer uses GTP Prime only.
- gtp-ftp—Charging data transfer uses both FTP pull and GTP Prime.

<volume-limit>—Volume of charging data to buffer.

## **<profile11> (configuration/services/ggsn/charging/imsi-based-characteristics)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;charging&gt;         &lt;imsi-based-characteristics&gt;           &lt;profile11&gt;             &lt;imsi&gt;...&lt;/imsi&gt;           &lt;/profile11&gt;         &lt;/imsi-based-characteristics&gt;       &lt;/charging&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Profile 11 clients.
<b>Contents</b>	<imsi>—Specify IMSI patterns using regular expressions.

## **<profile11> (configuration/services/ggsn/pdp-context/session-control/idle-timeout/charging-profile)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;pdp-context&gt;         &lt;session-control&gt;           &lt;idle-timeout&gt;             &lt;charging-profile&gt;               &lt;profile11&gt;                 &lt;timeout&gt;minutes&lt;/timeout&gt;    &lt;!-- mandatory --&gt;               &lt;/profile11&gt;             &lt;/charging-profile&gt;           &lt;/idle-timeout&gt;         &lt;/session-control&gt;       &lt;/pdp-context&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Profile 11.
<b>Contents</b>	<timeout>—Maximum consecutive idle minutes for a context.

### **<profile11> (configuration/services/ggsn/pdp-context/session-control/session-timeout/charging-profile)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <pdp-context>  
                 <session-control>  
                     <session-timeout>  
                         <charging-profile>  
                             **<profile11>**  
                                 <timeout>*minutes*</timeout>   <!-- mandatory -->  
                             **</profile11>**  
                         </charging-profile>  
                     </session-timeout>  
                 </session-control>  
             </pdp-context>  
         </ggsn>  
     </services>  
 </configuration>

**Description** Profile 11.

**Contents** <timeout>—Maximum duration for a context.

### **<profile12> (configuration/services/ggsn/apn/pdp-context/session-control/idle-timeout/charging-profile)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <apn>  
                 <pdp-context>  
                     <session-control>  
                         <idle-timeout>  
                             <charging-profile>  
                                 **<profile12>**  
                                     <timeout>*minutes*</timeout>   <!-- mandatory -->  
                                 **</profile12>**  
                             </charging-profile>  
                         </idle-timeout>  
                 </session-control>  
             </pdp-context>  
         </apn>  
     </ggsn>  
 </services>  
 </configuration>

**Description** Profile 12.

**Contents** <timeout>—Maximum consecutive idle minutes for a context.

**<profile12> (configuration/services/ggsn/apn/pdp-context/  
session-control/session-timeout/charging-profile)**

---

**Usage**   <configuration>  
          <services>  
          <ggsn>  
          <apn>  
          <pdp-context>  
          <session-control>  
          <session-timeout>  
          <charging-profile>  
          **<profile12>**  
            <timeout>*minutes*</timeout>   <!-- mandatory -->  
          **</profile12>**  
          </charging-profile>  
          </session-timeout>  
          </session-control>  
          </pdp-context>  
          </apn>  
          </ggsn>  
          </services>  
          </configuration>

**Description**   Profile 12.

**Contents**    <timeout>—Maximum duration for a context.

## **<profile12> (configuration/services/ggsn/charging/characteristics)**

---

**Usage**   <configuration>  
               <services>  
                   <ggsn>  
                       <charging>  
                           <characteristics>  
                               **<profile12>**  
                                   <volume-limit>*kilobytes*</volume-limit>  
                                   <time-limit>*minutes*</time-limit>  
                                   <call-detail/>  
                                   <change-limit>*change-limit*</change-limit>  
                                   <transfer-type>*transfer-type-choice*</transfer-type>  
                                   <gtp-prime>...</gtp-prime>  
                               **</profile12>**  
                           </characteristics>  
                       </charging>  
                   </ggsn>  
               </services>  
           </configuration>

**Description**   Profile 12 clients.

**Contents**   <call-detail>—Generate call data records.

                  <change-limit>—Maximum record changes to buffer on PIC.

                  <gtp-prime>—Characteristic specific GTP Prime configuration.

                  <time-limit>—Time to buffer charging data.

                  <transfer-type>—Method used to transfer charging data.

■   ftp-pull—Charging data transfer uses FTP pull only.

■   gtp-prime—Charging data transfer uses GTP Prime only.

■   gtpp-ftp—Charging data transfer uses both FTP pull and GTP Prime.

                  <volume-limit>—Volume of charging data to buffer.

## **<profile12> (configuration/services/ggsn/charging/imsi-based-characteristics)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;charging&gt;         &lt;imsi-based-characteristics&gt;           &lt;profile12&gt;             &lt;imsi&gt;...&lt;/imsi&gt;           &lt;/profile12&gt;         &lt;/imsi-based-characteristics&gt;       &lt;/charging&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Profile 12 clients.
<b>Contents</b>	<imsi>—Specify IMSI patterns using regular expressions.

## **<profile12> (configuration/services/ggsn/pdp-context/session-control/idle-timeout/charging-profile)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;pdp-context&gt;         &lt;session-control&gt;           &lt;idle-timeout&gt;             &lt;charging-profile&gt;               &lt;profile12&gt;                 &lt;timeout&gt;minutes&lt;/timeout&gt;    &lt;!-- mandatory --&gt;               &lt;/profile12&gt;             &lt;/charging-profile&gt;           &lt;/idle-timeout&gt;         &lt;/session-control&gt;       &lt;/pdp-context&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Profile 12.
<b>Contents</b>	<timeout>—Maximum consecutive idle minutes for a context.

### **<profile12> (configuration/services/ggsn/pdp-context/session-control/session-timeout/charging-profile)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <pdp-context>  
           <session-control>  
           <session-timeout>  
           <charging-profile>  
           **<profile12>**  
             <timeout>*minutes*</timeout>   <!-- mandatory -->  
           **</profile12>**  
           </charging-profile>  
           </session-timeout>  
           </session-control>  
           </pdp-context>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Profile 12.

**Contents**   <timeout>—Maximum duration for a context.

### **<profile13> (configuration/services/ggsn/apn/pdp-context/session-control/idle-timeout/charging-profile)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <apn>  
           <pdp-context>  
           <session-control>  
           <idle-timeout>  
           <charging-profile>  
           **<profile13>**  
             <timeout>*minutes*</timeout>   <!-- mandatory -->  
           **</profile13>**  
           </charging-profile>  
           </idle-timeout>  
           </session-control>  
           </pdp-context>  
           </apn>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Profile 13.

**Contents**   <timeout>—Maximum consecutive idle minutes for a context.

**<profile13> (configuration/services/ggsn/apn/pdp-context/  
session-control/session-timeout/charging-profile)**

---

**Usage**   <configuration>  
          <services>  
          <ggsn>  
          <apn>  
          <pdp-context>  
          <session-control>  
          <session-timeout>  
          <charging-profile>  
          **<profile13>**  
            <timeout>*minutes*</timeout>   <!-- mandatory -->  
          **</profile13>**  
          </charging-profile>  
          </session-timeout>  
          </session-control>  
          </pdp-context>  
          </apn>  
          </ggsn>  
          </services>  
          </configuration>

**Description**   Profile 13.

**Contents**    <timeout>—Maximum duration for a context.



## **<profile13> (configuration/services/ggsn/charging/characteristics)**

---

**Usage**   <configuration>  
               <services>  
                   <ggsn>  
                       <charging>  
                           <characteristics>  
                               **<profile13>**  
                                   <volume-limit>*kilobytes*</volume-limit>  
                                   <time-limit>*minutes*</time-limit>  
                                   <call-detail/>  
                                   <change-limit>*change-limit*</change-limit>  
                                   <transfer-type>*transfer-type-choice*</transfer-type>  
                                   <gtp-prime>...</gtp-prime>  
                               **</profile13>**  
                           </characteristics>  
                       </charging>  
                   </ggsn>  
               </services>  
           </configuration>

**Description**   Profile 13 clients.

**Contents**   <call-detail>—Generate call data records.

                  <change-limit>—Maximum record changes to buffer on PIC.

                  <gtp-prime>—Characteristic specific GTP Prime configuration.

                  <time-limit>—Time to buffer charging data.

                  <transfer-type>—Method used to transfer charging data.

■   ftp-pull—Charging data transfer uses FTP pull only.

■   gtp-prime—Charging data transfer uses GTP Prime only.

■   gtpp-ftp—Charging data transfer uses both FTP pull and GTP Prime.

                  <volume-limit>—Volume of charging data to buffer.

## **<profile13> (configuration/services/ggsn/charging/imsi-based-characteristics)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;charging&gt;         &lt;imsi-based-characteristics&gt;           &lt;profile13&gt;             &lt;imsi&gt;...&lt;/imsi&gt;           &lt;/profile13&gt;         &lt;/imsi-based-characteristics&gt;       &lt;/charging&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Profile 13 clients.
<b>Contents</b>	<imsi>—Specify IMSI patterns using regular expressions.

## **<profile13> (configuration/services/ggsn/pdp-context/session-control/idle-timeout/charging-profile)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;pdp-context&gt;         &lt;session-control&gt;           &lt;idle-timeout&gt;             &lt;charging-profile&gt;               &lt;profile13&gt;                 &lt;timeout&gt;minutes&lt;/timeout&gt;    &lt;!-- mandatory --&gt;               &lt;/profile13&gt;             &lt;/charging-profile&gt;           &lt;/idle-timeout&gt;         &lt;/session-control&gt;       &lt;/pdp-context&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Profile 13.
<b>Contents</b>	<timeout>—Maximum consecutive idle minutes for a context.

### **<profile13> (configuration/services/ggsn/pdp-context/session-control/session-timeout/charging-profile)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <pdp-context>  
           <session-control>  
           <session-timeout>  
           <charging-profile>  
           **<profile13>**  
           <timeout>*minutes*</timeout>   <!-- mandatory -->  
           **</profile13>**  
           </charging-profile>  
           </session-timeout>  
           </session-control>  
           </pdp-context>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Profile 13.

**Contents**   <timeout>—Maximum duration for a context.

### **<profile14> (configuration/services/ggsn/apn/pdp-context/session-control/idle-timeout/charging-profile)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <apn>  
           <pdp-context>  
           <session-control>  
           <idle-timeout>  
           <charging-profile>  
           **<profile14>**  
           <timeout>*minutes*</timeout>   <!-- mandatory -->  
           **</profile14>**  
           </charging-profile>  
           </idle-timeout>  
           </session-control>  
           </pdp-context>  
           </apn>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Profile 14.

**Contents**   <timeout>—Maximum consecutive idle minutes for a context.

**<profile14> (configuration/services/ggsn/apn/pdp-context/  
session-control/session-timeout/charging-profile)**

---

**Usage**

```
<configuration>
  <services>
    <ggsn>
      <apn>
        <pdp-context>
          <session-control>
            <session-timeout>
              <charging-profile>
                <profile14>
                  <timeout>minutes</timeout>    <!-- mandatory -->
                </profile14>
              </charging-profile>
            </session-timeout>
          </session-control>
        </pdp-context>
      </apn>
    </ggsn>
  </services>
</configuration>
```

**Description** Profile 14.

**Contents** <timeout>—Maximum duration for a context.

## <profile14> (configuration/services/ggsn/charging/characteristics)

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <charging>  
                 <characteristics>  
                     **<profile14>**  
                         <volume-limit>*kilobytes*</volume-limit>  
                         <time-limit>*minutes*</time-limit>  
                         <call-detail/>  
                         <change-limit>*change-limit*</change-limit>  
                         <transfer-type>*transfer-type-choice*</transfer-type>  
                         <gtp-prime>...</gtp-prime>  
                     **</profile14>**  
                 </characteristics>  
             </charging>  
         </ggsn>  
     </services>  
</configuration>

**Description** Profile 14 clients.

**Contents** <call-detail>—Generate call data records.

<change-limit>—Maximum record changes to buffer on PIC.

<gtp-prime>—Characteristic specific GTP Prime configuration.

<time-limit>—Time to buffer charging data.

<transfer-type>—Method used to transfer charging data.

- ftp-pull—Charging data transfer uses FTP pull only.
- gtp-prime—Charging data transfer uses GTP Prime only.
- gtp-ftp—Charging data transfer uses both FTP pull and GTP Prime.

<volume-limit>—Volume of charging data to buffer.

## **<profile14> (configuration/services/ggsn/charging/imsi-based-characteristics)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <charging>  
           <imsi-based-characteristics>  
           **<profile14>**  
           <imsi>...</imsi>  
           **</profile14>**  
           </imsi-based-characteristics>  
           </charging>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Profile 14 clients.

**Contents**   <imsi>—Specify IMSI patterns using regular expressions.

## **<profile14> (configuration/services/ggsn/pdp-context/session-control/idle-timeout/charging-profile)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <pdp-context>  
           <session-control>  
           <idle-timeout>  
           <charging-profile>  
           **<profile14>**  
           <timeout>*minutes*</timeout>   <!-- mandatory -->  
           **</profile14>**  
           </charging-profile>  
           </idle-timeout>  
           </session-control>  
           </pdp-context>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Profile 14.

**Contents**   <timeout>—Maximum consecutive idle minutes for a context.

### **<profile14> (configuration/services/ggsn/pdp-context/session-control/session-timeout/charging-profile)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <pdp-context>  
           <session-control>  
           <session-timeout>  
           <charging-profile>  
           **<profile14>**  
             <timeout>*minutes*</timeout>   <!-- mandatory -->  
           **</profile14>**  
           </charging-profile>  
           </session-timeout>  
           </session-control>  
           </pdp-context>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Profile 14.

**Contents**   <timeout>—Maximum duration for a context.

### **<profile15> (configuration/services/ggsn/apn/pdp-context/session-control/idle-timeout/charging-profile)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <apn>  
           <pdp-context>  
           <session-control>  
           <idle-timeout>  
           <charging-profile>  
           **<profile15>**  
             <timeout>*minutes*</timeout>   <!-- mandatory -->  
           **</profile15>**  
           </charging-profile>  
           </idle-timeout>  
           </session-control>  
           </pdp-context>  
           </apn>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Profile 15.

**Contents**   <timeout>—Maximum consecutive idle minutes for a context.

**<profile15> (configuration/services/ggsn/apn/pdp-context/  
session-control/session-timeout/charging-profile)**

---

**Usage**

```
<configuration>
  <services>
    <ggsn>
      <apn>
        <pdp-context>
          <session-control>
            <session-timeout>
              <charging-profile>
                <profile15>
                  <timeout>minutes</timeout>    <!-- mandatory -->
                </profile15>
              </charging-profile>
            </session-timeout>
          </session-control>
        </pdp-context>
      </apn>
    </ggsn>
  </services>
</configuration>
```

**Description** Profile 15.

**Contents** <timeout>—Maximum duration for a context.



## <profile15> (configuration/services/ggsn/charging/characteristics)

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <charging>  
                 <characteristics>  
                     **<profile15>**  
                         <volume-limit>*kilobytes*</volume-limit>  
                         <time-limit>*minutes*</time-limit>  
                         <call-detail/>  
                         <change-limit>*change-limit*</change-limit>  
                         <transfer-type>*transfer-type-choice*</transfer-type>  
                         <gtp-prime>...</gtp-prime>  
                     **</profile15>**  
                 </characteristics>  
             </charging>  
         </ggsn>  
     </services>  
</configuration>

**Description** Profile 15 clients.

**Contents** <call-detail>—Generate call data records.

<change-limit>—Maximum record changes to buffer on PIC.

<gtp-prime>—Characteristic specific GTP Prime configuration.

<time-limit>—Time to buffer charging data.

<transfer-type>—Method used to transfer charging data.

- ftp-pull—Charging data transfer uses FTP pull only.
- gtp-prime—Charging data transfer uses GTP Prime only.
- gtp-ftp—Charging data transfer uses both FTP pull and GTP Prime.

<volume-limit>—Volume of charging data to buffer.

## **<profile15> (configuration/services/ggsn/charging/imsi-based-characteristics)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;charging&gt;         &lt;imsi-based-characteristics&gt;           &lt;profile15&gt;             &lt;imsi&gt;...&lt;/imsi&gt;           &lt;/profile15&gt;         &lt;/imsi-based-characteristics&gt;       &lt;/charging&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Profile 15 clients.
<b>Contents</b>	<imsi>—Specify IMSI patterns using regular expressions.

## **<profile15> (configuration/services/ggsn/pdp-context/session-control/idle-timeout/charging-profile)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;pdp-context&gt;         &lt;session-control&gt;           &lt;idle-timeout&gt;             &lt;charging-profile&gt;               &lt;profile15&gt;                 &lt;timeout&gt;minutes&lt;/timeout&gt;    &lt;!-- mandatory --&gt;               &lt;/profile15&gt;             &lt;/charging-profile&gt;           &lt;/idle-timeout&gt;         &lt;/session-control&gt;       &lt;/pdp-context&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Profile 15.
<b>Contents</b>	<timeout>—Maximum consecutive idle minutes for a context.

### **<profile15> (configuration/services/ggsn/pdp-context/session-control/session-timeout/charging-profile)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <pdp-context>  
           <session-control>  
           <session-timeout>  
           <charging-profile>  
           **<profile15>**  
             <timeout>*minutes*</timeout>   <!-- mandatory -->  
           **</profile15>**  
           </charging-profile>  
           </session-timeout>  
           </session-control>  
           </pdp-context>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Profile 15.

**Contents**   <timeout>—Maximum duration for a context.

### **<profile2> (configuration/services/ggsn/apn/pdp-context/session-control/idle-timeout/charging-profile)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <apn>  
           <pdp-context>  
           <session-control>  
           <idle-timeout>  
           <charging-profile>  
           **<profile2>**  
             <timeout>*minutes*</timeout>   <!-- mandatory -->  
           **</profile2>**  
           </charging-profile>  
           </idle-timeout>  
           </session-control>  
           </pdp-context>  
           </apn>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Profile 2.

**Contents**   <timeout>—Maximum consecutive idle minutes for a context.

**<profile2> (configuration/services/ggsn/apn/pdp-context/  
session-control/session-timeout/charging-profile)**

---

**Usage**   <configuration>  
          <services>  
          <ggsn>  
          <apn>  
          <pdp-context>  
          <session-control>  
          <session-timeout>  
          <charging-profile>  
          **<profile2>**  
            <timeout>*minutes*</timeout>   <!-- mandatory -->  
          **</profile2>**  
          </charging-profile>  
          </session-timeout>  
          </session-control>  
          </pdp-context>  
          </apn>  
          </ggsn>  
          </services>  
          </configuration>

**Description**   Profile 2.

**Contents**    <timeout>—Maximum duration for a context.

**<profile2> (configuration/services/ggsn/charging/characteristics)**

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               <charging>  
                 <characteristics>  
                   **<profile2>**  
                     <volume-limit>*kilobytes*</volume-limit>  
                     <time-limit>*minutes*</time-limit>  
                     <call-detail/>  
                     <change-limit>*change-limit*</change-limit>  
                     <transfer-type>*transfer-type-choice*</transfer-type>  
                     <gtp-prime>...</gtp-prime>  
                   **</profile2>**  
                 </characteristics>  
               </charging>  
             </ggsn>  
           </services>  
         </configuration>

**Description** Profile 2 clients.

**Contents** <call-detail>—Generate call data records.

<change-limit>—Maximum record changes to buffer on PIC.

<gtp-prime>—Characteristic specific GTP Prime configuration.

<time-limit>—Time to buffer charging data.

<transfer-type>—Method used to transfer charging data.

- ftp-pull—Charging data transfer uses FTP pull only.
- gtp-prime—Charging data transfer uses GTP Prime only.
- gtp-ftp—Charging data transfer uses both FTP pull and GTP Prime.

<volume-limit>—Volume of charging data to buffer.

## **<profile2> (configuration/services/ggsn/charging/imsi-based-characteristics)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;charging&gt;         &lt;imsi-based-characteristics&gt;           &lt;profile2&gt;             &lt;imsi&gt;...&lt;/imsi&gt;           &lt;/profile2&gt;         &lt;/imsi-based-characteristics&gt;       &lt;/charging&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Profile 2 clients.
<b>Contents</b>	<imsi>—Specify IMSI patterns using regular expressions.

## **<profile2> (configuration/services/ggsn/pdp-context/session-control/idle-timeout/charging-profile)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;pdp-context&gt;         &lt;session-control&gt;           &lt;idle-timeout&gt;             &lt;charging-profile&gt;               &lt;profile2&gt;                 &lt;timeout&gt;minutes&lt;/timeout&gt;    &lt;!-- mandatory --&gt;               &lt;/profile2&gt;             &lt;/charging-profile&gt;           &lt;/idle-timeout&gt;         &lt;/session-control&gt;       &lt;/pdp-context&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Profile 2.
<b>Contents</b>	<timeout>—Maximum consecutive idle minutes for a context.

### **<profile2> (configuration/services/ggsn/pdp-context/session-control/session-timeout/charging-profile)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <pdp-context>  
                 <session-control>  
                     <session-timeout>  
                         <charging-profile>  
                             **<profile2>**  
                                 <timeout>*minutes*</timeout>   <!-- mandatory -->  
                             **</profile2>**  
                         </charging-profile>  
                     </session-timeout>  
                 </session-control>  
     </pdp-context>  
     </ggsn>  
     </services>  
</configuration>

**Description** Profile 2.

**Contents** <timeout>—Maximum duration for a context.

### **<profile3> (configuration/services/ggsn/apn/pdp-context/session-control/idle-timeout/charging-profile)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <apn>  
                 <pdp-context>  
                     <session-control>  
                         <idle-timeout>  
                             <charging-profile>  
                                 **<profile3>**  
                                     <timeout>*minutes*</timeout>   <!-- mandatory -->  
                                 **</profile3>**  
                             </charging-profile>  
                         </idle-timeout>  
                 </session-control>  
     </pdp-context>  
     </apn>  
     </ggsn>  
     </services>  
</configuration>

**Description** Profile 3.

**Contents** <timeout>—Maximum consecutive idle minutes for a context.

**<profile3> (configuration/services/ggsn/apn/pdp-context/  
session-control/session-timeout/charging-profile)**

---

**Usage**   <configuration>  
          <services>  
          <ggsn>  
          <apn>  
          <pdp-context>  
          <session-control>  
          <session-timeout>  
          <charging-profile>  
          **<profile3>**  
            <timeout>*minutes*</timeout>   <!-- mandatory -->  
          **</profile3>**  
          </charging-profile>  
          </session-timeout>  
          </session-control>  
          </pdp-context>  
          </apn>  
          </ggsn>  
          </services>  
          </configuration>

**Description**   Profile 3.

**Contents**    <timeout>—Maximum duration for a context.



**<profile3> (configuration/services/ggsn/charging/characteristics)**

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               <charging>  
                 <characteristics>  
                   **<profile3>**  
                     <volume-limit>*kilobytes*</volume-limit>  
                     <time-limit>*minutes*</time-limit>  
                     <call-detail/>  
                     <change-limit>*change-limit*</change-limit>  
                     <transfer-type>*transfer-type-choice*</transfer-type>  
                     <gtp-prime>...</gtp-prime>  
                   **</profile3>**  
                 </characteristics>  
               </charging>  
             </ggsn>  
           </services>  
         </configuration>

**Description** Profile 3 clients.

**Contents** <call-detail>—Generate call data records.

<change-limit>—Maximum record changes to buffer on PIC.

<gtp-prime>—Characteristic specific GTP Prime configuration.

<time-limit>—Time to buffer charging data.

<transfer-type>—Method used to transfer charging data.

- ftp-pull—Charging data transfer uses FTP pull only.
- gtp-prime—Charging data transfer uses GTP Prime only.
- gtp-ftp—Charging data transfer uses both FTP pull and GTP Prime.

<volume-limit>—Volume of charging data to buffer.

## <profile3> (configuration/services/ggsn/charging/imsi-based-characteristics)

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;charging&gt;         &lt;imsi-based-characteristics&gt;           &lt;profile3&gt;             &lt;imsi&gt;...&lt;/imsi&gt;           &lt;/profile3&gt;         &lt;/imsi-based-characteristics&gt;       &lt;/charging&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Profile 3 clients.
<b>Contents</b>	<imsi>—Specify IMSI patterns using regular expressions.

## <profile3> (configuration/services/ggsn/pdp-context/session-control/idle-timeout/charging-profile)

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;pdp-context&gt;         &lt;session-control&gt;           &lt;idle-timeout&gt;             &lt;charging-profile&gt;               &lt;profile3&gt;                 &lt;timeout&gt;minutes&lt;/timeout&gt;    &lt;!-- mandatory --&gt;               &lt;/profile3&gt;             &lt;/charging-profile&gt;           &lt;/idle-timeout&gt;         &lt;/session-control&gt;       &lt;/pdp-context&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Profile 3.
<b>Contents</b>	<timeout>—Maximum consecutive idle minutes for a context.

### **<profile3> (configuration/services/ggsn/pdp-context/session-control/session-timeout/charging-profile)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <pdp-context>  
                 <session-control>  
                     <session-timeout>  
                         <charging-profile>  
                             **<profile3>**  
                                 <timeout>*minutes*</timeout>   <!-- mandatory -->  
                             **</profile3>**  
                         </charging-profile>  
                     </session-timeout>  
                 </session-control>  
     </pdp-context>  
     </ggsn>  
     </services>  
 </configuration>

**Description** Profile 3.

**Contents** <timeout>—Maximum duration for a context.

### **<profile4> (configuration/services/ggsn/apn/pdp-context/session-control/idle-timeout/charging-profile)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <apn>  
                 <pdp-context>  
                     <session-control>  
                         <idle-timeout>  
                             <charging-profile>  
                                 **<profile4>**  
                                     <timeout>*minutes*</timeout>   <!-- mandatory -->  
                                 **</profile4>**  
                             </charging-profile>  
                         </idle-timeout>  
                 </session-control>  
     </pdp-context>  
     </apn>  
     </ggsn>  
     </services>  
 </configuration>

**Description** Profile 4.

**Contents** <timeout>—Maximum consecutive idle minutes for a context.

**<profile4> (configuration/services/ggsn/apn/pdp-context/  
session-control/session-timeout/charging-profile)**

---

**Usage**   <configuration>  
          <services>  
          <ggsn>  
          <apn>  
          <pdp-context>  
          <session-control>  
          <session-timeout>  
          <charging-profile>  
          **<profile4>**  
            <timeout>*minutes*</timeout>   <!-- mandatory -->  
          **</profile4>**  
          </charging-profile>  
          </session-timeout>  
          </session-control>  
          </pdp-context>  
          </apn>  
          </ggsn>  
          </services>  
          </configuration>

**Description**   Profile 4.

**Contents**    <timeout>—Maximum duration for a context.

**<profile4> (configuration/services/ggsn/charging/characteristics)**

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               <charging>  
                 <characteristics>  
                   **<profile4>**  
                     <volume-limit>*kilobytes*</volume-limit>  
                     <time-limit>*minutes*</time-limit>  
                     <call-detail/>  
                     <change-limit>*change-limit*</change-limit>  
                     <transfer-type>*transfer-type-choice*</transfer-type>  
                     <gtp-prime>...</gtp-prime>  
                   **</profile4>**  
                 </characteristics>  
               </charging>  
             </ggsn>  
           </services>  
         </configuration>

**Description** Profile 4 clients.

**Contents** <call-detail>—Generate call data records.

<change-limit>—Maximum record changes to buffer on PIC.

<gtp-prime>—Characteristic specific GTP Prime configuration.

<time-limit>—Time to buffer charging data.

<transfer-type>—Method used to transfer charging data.

- ftp-pull—Charging data transfer uses FTP pull only.
- gtp-prime—Charging data transfer uses GTP Prime only.
- gtp-ftp—Charging data transfer uses both FTP pull and GTP Prime.

<volume-limit>—Volume of charging data to buffer.

## **<profile4> (configuration/services/ggsn/charging/imsi-based-characteristics)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <charging>  
           <imsi-based-characteristics>  
           **<profile4>**  
           <imsi>...</imsi>  
           **</profile4>**  
           </imsi-based-characteristics>  
           </charging>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Profile 4 clients.

**Contents**    <imsi>—Specify IMSI patterns using regular expressions.

## **<profile4> (configuration/services/ggsn/pdp-context/session-control/idle-timeout/charging-profile)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <pdp-context>  
           <session-control>  
           <idle-timeout>  
           <charging-profile>  
           **<profile4>**  
           <timeout>*minutes*</timeout>   <!-- mandatory -->  
           **</profile4>**  
           </charging-profile>  
           </idle-timeout>  
           </session-control>  
           </pdp-context>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Profile 4.

**Contents**    <timeout>—Maximum consecutive idle minutes for a context.

### **<profile4> (configuration/services/ggsn/pdp-context/session-control/session-timeout/charging-profile)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <pdp-context>  
                 <session-control>  
                     <session-timeout>  
                         <charging-profile>  
                             **<profile4>**  
                                 <timeout>*minutes*</timeout>   <!-- mandatory -->  
                             **</profile4>**  
                         </charging-profile>  
                     </session-timeout>  
                 </session-control>  
     </pdp-context>  
     </ggsn>  
     </services>  
 </configuration>

**Description** Profile 4.

**Contents** <timeout>—Maximum duration for a context.

### **<profile5> (configuration/services/ggsn/apn/pdp-context/session-control/idle-timeout/charging-profile)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <apn>  
                 <pdp-context>  
                     <session-control>  
                         <idle-timeout>  
                             <charging-profile>  
                                 **<profile5>**  
                                     <timeout>*minutes*</timeout>   <!-- mandatory -->  
                                 **</profile5>**  
                             </charging-profile>  
                         </idle-timeout>  
                 </session-control>  
     </pdp-context>  
     </apn>  
     </ggsn>  
     </services>  
 </configuration>

**Description** Profile 5.

**Contents** <timeout>—Maximum consecutive idle minutes for a context.

**<profile5> (configuration/services/ggsn/apn/pdp-context/  
session-control/session-timeout/charging-profile)**

---

**Usage**   <configuration>  
          <services>  
          <ggsn>  
          <apn>  
          <pdp-context>  
          <session-control>  
          <session-timeout>  
          <charging-profile>  
          **<profile5>**  
            <timeout>*minutes*</timeout>   <!-- mandatory -->  
          **</profile5>**  
          </charging-profile>  
          </session-timeout>  
          </session-control>  
          </pdp-context>  
          </apn>  
          </ggsn>  
          </services>  
          </configuration>

**Description**   Profile 5.

**Contents**    <timeout>—Maximum duration for a context.



**<profile5> (configuration/services/ggsn/charging/characteristics)**

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               <charging>  
                 <characteristics>  
                   **<profile5>**  
                     <volume-limit>*kilobytes*</volume-limit>  
                     <time-limit>*minutes*</time-limit>  
                     <call-detail/>  
                     <change-limit>*change-limit*</change-limit>  
                     <transfer-type>*transfer-type-choice*</transfer-type>  
                     <gtp-prime>...</gtp-prime>  
                   **</profile5>**  
                 </characteristics>  
               </charging>  
             </ggsn>  
           </services>  
         </configuration>

**Description** Profile 5 clients.

**Contents** <call-detail>—Generate call data records.

<change-limit>—Maximum record changes to buffer on PIC.

<gtp-prime>—Characteristic specific GTP Prime configuration.

<time-limit>—Time to buffer charging data.

<transfer-type>—Method used to transfer charging data.

- ftp-pull—Charging data transfer uses FTP pull only.
- gtp-prime—Charging data transfer uses GTP Prime only.
- gtp-ftp—Charging data transfer uses both FTP pull and GTP Prime.

<volume-limit>—Volume of charging data to buffer.

## **<profile5> (configuration/services/ggsn/charging/imsi-based-characteristics)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;charging&gt;         &lt;imsi-based-characteristics&gt;           &lt;profile5&gt;             &lt;imsi&gt;...&lt;/imsi&gt;           &lt;/profile5&gt;         &lt;/imsi-based-characteristics&gt;       &lt;/charging&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Profile 5 clients.
<b>Contents</b>	<imsi>—Specify IMSI patterns using regular expressions.

## **<profile5> (configuration/services/ggsn/pdp-context/session-control/idle-timeout/charging-profile)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;pdp-context&gt;         &lt;session-control&gt;           &lt;idle-timeout&gt;             &lt;charging-profile&gt;               &lt;profile5&gt;                 &lt;timeout&gt;minutes&lt;/timeout&gt;    &lt;!-- mandatory --&gt;               &lt;/profile5&gt;             &lt;/charging-profile&gt;           &lt;/idle-timeout&gt;         &lt;/session-control&gt;       &lt;/pdp-context&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Profile 5.
<b>Contents</b>	<timeout>—Maximum consecutive idle minutes for a context.

### **<profile5> (configuration/services/ggsn/pdp-context/session-control/session-timeout/charging-profile)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <pdp-context>  
           <session-control>  
           <session-timeout>  
           <charging-profile>  
           **<profile5>**  
             <timeout>*minutes*</timeout>   <!-- mandatory -->  
           **</profile5>**  
           </charging-profile>  
           </session-timeout>  
           </session-control>  
           </pdp-context>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Profile 5.

**Contents**   <timeout>—Maximum duration for a context.

### **<profile6> (configuration/services/ggsn/apn/pdp-context/session-control/idle-timeout/charging-profile)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <apn>  
           <pdp-context>  
           <session-control>  
           <idle-timeout>  
           <charging-profile>  
           **<profile6>**  
             <timeout>*minutes*</timeout>   <!-- mandatory -->  
           **</profile6>**  
           </charging-profile>  
           </idle-timeout>  
           </session-control>  
           </pdp-context>  
           </apn>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Profile 6.

**Contents**   <timeout>—Maximum consecutive idle minutes for a context.

**<profile6> (configuration/services/ggsn/apn/pdp-context/  
session-control/session-timeout/charging-profile)**

---

**Usage**   <configuration>  
          <services>  
          <ggsn>  
          <apn>  
          <pdp-context>  
          <session-control>  
          <session-timeout>  
          <charging-profile>  
          **<profile6>**  
            <timeout>*minutes*</timeout>   <!-- mandatory -->  
          **</profile6>**  
          </charging-profile>  
          </session-timeout>  
          </session-control>  
          </pdp-context>  
          </apn>  
          </ggsn>  
          </services>  
          </configuration>

**Description**   Profile 6.

**Contents**    <timeout>—Maximum duration for a context.

**<profile6> (configuration/services/ggsn/charging/characteristics)**

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               <charging>  
                 <characteristics>  
                   **<profile6>**  
                     <volume-limit>*kilobytes*</volume-limit>  
                     <time-limit>*minutes*</time-limit>  
                     <call-detail/>  
                     <change-limit>*change-limit*</change-limit>  
                     <transfer-type>*transfer-type-choice*</transfer-type>  
                     <gtp-prime>...</gtp-prime>  
                   **</profile6>**  
                 </characteristics>  
               </charging>  
             </ggsn>  
           </services>  
         </configuration>

**Description** Profile 6 clients.

**Contents** <call-detail>—Generate call data records.

<change-limit>—Maximum record changes to buffer on PIC.

<gtp-prime>—Characteristic specific GTP Prime configuration.

<time-limit>—Time to buffer charging data.

<transfer-type>—Method used to transfer charging data.

- ftp-pull—Charging data transfer uses FTP pull only.
- gtp-prime—Charging data transfer uses GTP Prime only.
- gtp-ftp—Charging data transfer uses both FTP pull and GTP Prime.

<volume-limit>—Volume of charging data to buffer.

## **<profile6> (configuration/services/ggsn/charging/imsi-based-characteristics)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <charging>  
           <imsi-based-characteristics>  
           **<profile6>**  
           <imsi>...</imsi>  
           **</profile6>**  
           </imsi-based-characteristics>  
           </charging>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Profile 6 clients.

**Contents**   <imsi>—Specify IMSI patterns using regular expressions.

## **<profile6> (configuration/services/ggsn/pdp-context/session-control/idle-timeout/charging-profile)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <pdp-context>  
           <session-control>  
           <idle-timeout>  
           <charging-profile>  
           **<profile6>**  
           <timeout>*minutes*</timeout>   <!-- mandatory -->  
           **</profile6>**  
           </charging-profile>  
           </idle-timeout>  
           </session-control>  
           </pdp-context>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Profile 6.

**Contents**   <timeout>—Maximum consecutive idle minutes for a context.

### **<profile6> (configuration/services/ggsn/pdp-context/session-control/session-timeout/charging-profile)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <pdp-context>  
                 <session-control>  
                     <session-timeout>  
                         <charging-profile>  
                             **<profile6>**  
                                 <timeout>*minutes*</timeout>   <!-- mandatory -->  
                             **</profile6>**  
                         </charging-profile>  
                     </session-timeout>  
                 </session-control>  
             </pdp-context>  
         </ggsn>  
     </services>  
</configuration>

**Description** Profile 6.

**Contents** <timeout>—Maximum duration for a context.

### **<profile7> (configuration/services/ggsn/apn/pdp-context/session-control/idle-timeout/charging-profile)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <apn>  
                 <pdp-context>  
                     <session-control>  
                         <idle-timeout>  
                             <charging-profile>  
                                 **<profile7>**  
                                     <timeout>*minutes*</timeout>   <!-- mandatory -->  
                                 **</profile7>**  
                             </charging-profile>  
                         </idle-timeout>  
                 </session-control>  
             </pdp-context>  
         </apn>  
     </ggsn>  
     </services>  
</configuration>

**Description** Profile 7.

**Contents** <timeout>—Maximum consecutive idle minutes for a context.

**<profile7> (configuration/services/ggsn/apn/pdp-context/  
session-control/session-timeout/charging-profile)**

---

**Usage**   <configuration>  
          <services>  
          <ggsn>  
          <apn>  
          <pdp-context>  
          <session-control>  
          <session-timeout>  
          <charging-profile>  
          **<profile7>**  
            <timeout>*minutes*</timeout>   <!-- mandatory -->  
          **</profile7>**  
          </charging-profile>  
          </session-timeout>  
          </session-control>  
          </pdp-context>  
          </apn>  
          </ggsn>  
          </services>  
          </configuration>

**Description**   Profile 7.

**Contents**    <timeout>—Maximum duration for a context.



**<profile7> (configuration/services/ggsn/charging/characteristics)**

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               <charging>  
                 <characteristics>  
                   **<profile7>**  
                     <volume-limit>*kilobytes*</volume-limit>  
                     <time-limit>*minutes*</time-limit>  
                     <call-detail/>  
                     <change-limit>*change-limit*</change-limit>  
                     <transfer-type>*transfer-type-choice*</transfer-type>  
                     <gtp-prime>...</gtp-prime>  
                   **</profile7>**  
                 </characteristics>  
               </charging>  
             </ggsn>  
           </services>  
         </configuration>

**Description** Profile 7 clients.

**Contents** <call-detail>—Generate call data records.

<change-limit>—Maximum record changes to buffer on PIC.

<gtp-prime>—Characteristic specific GTP Prime configuration.

<time-limit>—Time to buffer charging data.

<transfer-type>—Method used to transfer charging data.

- ftp-pull—Charging data transfer uses FTP pull only.
- gtp-prime—Charging data transfer uses GTP Prime only.
- gtp-ftp—Charging data transfer uses both FTP pull and GTP Prime.

<volume-limit>—Volume of charging data to buffer.

## **<profile7> (configuration/services/ggsn/charging/imsi-based-characteristics)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <charging>  
                 <imsi-based-characteristics>  
                     **<profile7>**  
                         <imsi>...</imsi>  
                     **</profile7>**  
                 </imsi-based-characteristics>  
             </charging>  
         </ggsn>  
     </services>  
 </configuration>

**Description** Profile 7 clients.

**Contents** <imsi>—Specify IMSI patterns using regular expressions.

## **<profile7> (configuration/services/ggsn/pdp-context/session-control/idle-timeout/charging-profile)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <pdp-context>  
                 <session-control>  
                     <idle-timeout>  
                         <charging-profile>  
                             **<profile7>**  
                                 <timeout>*minutes*</timeout>   <!-- mandatory -->  
                             **</profile7>**  
                         </charging-profile>  
                     </idle-timeout>  
                 </session-control>  
     </pdp-context>  
     </ggsn>  
   </services>  
</configuration>

**Description** Profile 7.

**Contents** <timeout>—Maximum consecutive idle minutes for a context.

### **<profile7> (configuration/services/ggsn/pdp-context/session-control/session-timeout/charging-profile)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <pdp-context>  
                 <session-control>  
                     <session-timeout>  
                         <charging-profile>  
                             **<profile7>**  
                                 <timeout>*minutes*</timeout>   <!-- mandatory -->  
                             **</profile7>**  
                         </charging-profile>  
                     </session-timeout>  
                 </session-control>  
             </pdp-context>  
         </ggsn>  
     </services>  
</configuration>

**Description** Profile 7.

**Contents** <timeout>—Maximum duration for a context.

### **<profile8> (configuration/services/ggsn/apn/pdp-context/session-control/idle-timeout/charging-profile)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <apn>  
                 <pdp-context>  
                     <session-control>  
                         <idle-timeout>  
                             <charging-profile>  
                                 **<profile8>**  
                                     <timeout>*minutes*</timeout>   <!-- mandatory -->  
                                 **</profile8>**  
                             </charging-profile>  
                         </idle-timeout>  
                 </session-control>  
             </pdp-context>  
         </apn>  
     </ggsn>  
     </services>  
</configuration>

**Description** Profile 8.

**Contents** <timeout>—Maximum consecutive idle minutes for a context.

**<profile8> (configuration/services/ggsn/apn/pdp-context/  
session-control/session-timeout/charging-profile)**

---

**Usage**   <configuration>  
          <services>  
          <ggsn>  
          <apn>  
          <pdp-context>  
          <session-control>  
          <session-timeout>  
          <charging-profile>  
          **<profile8>**  
            <timeout>*minutes*</timeout>   <!-- mandatory -->  
          **</profile8>**  
          </charging-profile>  
          </session-timeout>  
          </session-control>  
          </pdp-context>  
          </apn>  
          </ggsn>  
          </services>  
          </configuration>

**Description**   Profile 8.

**Contents**    <timeout>—Maximum duration for a context.

**<profile8> (configuration/services/ggsn/charging/characteristics)**

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               <charging>  
                 <characteristics>  
                   **<profile8>**  
                     <volume-limit>*kilobytes*</volume-limit>  
                     <time-limit>*minutes*</time-limit>  
                     <call-detail/>  
                     <change-limit>*change-limit*</change-limit>  
                     <transfer-type>*transfer-type-choice*</transfer-type>  
                     <gtp-prime>...</gtp-prime>  
                   **</profile8>**  
                 </characteristics>  
               </charging>  
             </ggsn>  
           </services>  
         </configuration>

**Description** Profile 8 clients.

**Contents** <call-detail>—Generate call data records.

<change-limit>—Maximum record changes to buffer on PIC.

<gtp-prime>—Characteristic specific GTP Prime configuration.

<time-limit>—Time to buffer charging data.

<transfer-type>—Method used to transfer charging data.

- ftp-pull—Charging data transfer uses FTP pull only.
- gtp-prime—Charging data transfer uses GTP Prime only.
- gtp-ftp—Charging data transfer uses both FTP pull and GTP Prime.

<volume-limit>—Volume of charging data to buffer.

## **<profile8> (configuration/services/ggsn/charging/imsi-based-characteristics)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <charging>  
           <imsi-based-characteristics>  
           **<profile8>**  
           <imsi>...</imsi>  
           **</profile8>**  
           </imsi-based-characteristics>  
           </charging>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Profile 8 clients.

**Contents**    <imsi>—Specify IMSI patterns using regular expressions.

## **<profile8> (configuration/services/ggsn/pdp-context/session-control/idle-timeout/charging-profile)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <pdp-context>  
           <session-control>  
           <idle-timeout>  
           <charging-profile>  
           **<profile8>**  
           <timeout>*minutes*</timeout>   <!-- mandatory -->  
           **</profile8>**  
           </charging-profile>  
           </idle-timeout>  
           </session-control>  
           </pdp-context>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Profile 8.

**Contents**    <timeout>—Maximum consecutive idle minutes for a context.

### **<profile8> (configuration/services/ggsn/pdp-context/session-control/session-timeout/charging-profile)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <pdp-context>  
                 <session-control>  
                     <session-timeout>  
                         <charging-profile>  
                             **<profile8>**  
                                 <timeout>*minutes*</timeout>   <!-- mandatory -->  
                             **</profile8>**  
                         </charging-profile>  
                     </session-timeout>  
                 </session-control>  
             </pdp-context>  
         </ggsn>  
     </services>  
</configuration>

**Description** Profile 8.

**Contents** <timeout>—Maximum duration for a context.

### **<profile9> (configuration/services/ggsn/apn/pdp-context/session-control/idle-timeout/charging-profile)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <apn>  
                 <pdp-context>  
                     <session-control>  
                         <idle-timeout>  
                             <charging-profile>  
                                 **<profile9>**  
                                     <timeout>*minutes*</timeout>   <!-- mandatory -->  
                                 **</profile9>**  
                             </charging-profile>  
                         </idle-timeout>  
                 </session-control>  
             </pdp-context>  
         </apn>  
     </ggsn>  
     </services>  
</configuration>

**Description** Profile 9.

**Contents** <timeout>—Maximum consecutive idle minutes for a context.

**<profile9> (configuration/services/ggsn/apn/pdp-context/  
session-control/session-timeout/charging-profile)**

---

**Usage**

```
<configuration>
  <services>
    <ggsn>
      <apn>
        <pdp-context>
          <session-control>
            <session-timeout>
              <charging-profile>
                <profile9>
                  <timeout>minutes</timeout>    <!-- mandatory -->
                </profile9>
              </charging-profile>
            </session-timeout>
          </session-control>
        </pdp-context>
      </apn>
    </ggsn>
  </services>
</configuration>
```

**Description** Profile 9.

**Contents** <timeout>—Maximum duration for a context.



**<profile9> (configuration/services/ggsn/charging/characteristics)**

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               <charging>  
                 <characteristics>  
                   **<profile9>**  
                     <volume-limit>*kilobytes*</volume-limit>  
                     <time-limit>*minutes*</time-limit>  
                     <call-detail/>  
                     <change-limit>*change-limit*</change-limit>  
                     <transfer-type>*transfer-type-choice*</transfer-type>  
                     <gtp-prime>...</gtp-prime>  
                   **</profile9>**  
                 </characteristics>  
               </charging>  
             </ggsn>  
           </services>  
         </configuration>

**Description** Profile 9 clients.

**Contents** <call-detail>—Generate call data records.

<change-limit>—Maximum record changes to buffer on PIC.

<gtp-prime>—Characteristic specific GTP Prime configuration.

<time-limit>—Time to buffer charging data.

<transfer-type>—Method used to transfer charging data.

- ftp-pull—Charging data transfer uses FTP pull only.
- gtp-prime—Charging data transfer uses GTP Prime only.
- gtp-ftp—Charging data transfer uses both FTP pull and GTP Prime.

<volume-limit>—Volume of charging data to buffer.

## **<profile9> (configuration/services/ggsn/charging/imsi-based-characteristics)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;charging&gt;         &lt;imsi-based-characteristics&gt;           &lt;profile9&gt;             &lt;imsi&gt;...&lt;/imsi&gt;           &lt;/profile9&gt;         &lt;/imsi-based-characteristics&gt;       &lt;/charging&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Profile 9 clients.
<b>Contents</b>	<imsi>—Specify IMSI patterns using regular expressions.

## **<profile9> (configuration/services/ggsn/pdp-context/session-control/idle-timeout/charging-profile)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;pdp-context&gt;         &lt;session-control&gt;           &lt;idle-timeout&gt;             &lt;charging-profile&gt;               &lt;profile9&gt;                 &lt;timeout&gt;minutes&lt;/timeout&gt;    &lt;!-- mandatory --&gt;               &lt;/profile9&gt;             &lt;/charging-profile&gt;           &lt;/idle-timeout&gt;         &lt;/session-control&gt;       &lt;/pdp-context&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Profile 9.
<b>Contents</b>	<timeout>—Maximum consecutive idle minutes for a context.

## **<profile9> (configuration/services/ggsn/pdp-context/session-control/session-timeout/charging-profile)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <pdp-context>  
           <session-control>  
           <session-timeout>  
           <charging-profile>  
           **<profile9>**  
             <timeout>*minutes*</timeout>   <!-- mandatory -->  
           **</profile9>**  
           </charging-profile>  
           </session-timeout>  
           </session-control>  
           </pdp-context>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Profile 9.

**Contents**   <timeout>—Maximum duration for a context.

## **<promiscuous-mode> (configuration/dynamic-profiles/interfaces/interface/atm-options)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <atm-options>  
           **<promiscuous-mode>**  
             <vpi>...</vpi>  
           **</promiscuous-mode>**  
           </atm-options>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description**   Set ATM interface to promiscuous mode.

**Contents**   <vpi>—Open this VPI in promiscuous mode.

## **<promiscuous-mode> (configuration/interfaces/interface/atm-options)**

---

**Usage**   <configuration>  
          <interfaces>  
          <interface>  
          <atm-options>  
            **<promiscuous-mode>**  
            <vpi>...</vpi>  
            **</promiscuous-mode>**  
          </atm-options>  
          </interface>  
          </interfaces>  
          </configuration>

**Description**   Set ATM interface to promiscuous mode.

**Contents**    <vpi>—Open this VPI in promiscuous mode.

**<proposal> (configuration/security/ike)**

---

**Usage** <configuration>  
           <security>  
             <ike>  
               **<proposal>**  
                 <name>*name*</name>   <!-- identifier -->  
                 <description>*description*</description>  
                 <authentication-method>*authentication-method-choice*  
                   </authentication-method>  
                 <dh-group>*dh-group-choice*</dh-group>  
                 <authentication-algorithm>*authentication-algorithm-choice*  
                   </authentication-algorithm>  
                 <encryption-algorithm>*encryption-algorithm-choice*</encryption-algorithm>  
                 <lifetime-seconds>*seconds*</lifetime-seconds>  
               **</proposal>**  
             </ike>  
           </security>  
         </configuration>

**Description** Define an IKE proposal.

**Contents** <authentication-algorithm>—Define authentication algorithm.

- md5—MD5 authentication algorithm.
- sha-256—SHA 256-bit authentication algorithm.
- sha1—SHA1 authentication algorithm.

<authentication-method>—Define authentication method.

- dsa-signatures—DSA signatures.
- pre-shared-keys—Preshared keys.
- rsa-signatures—RSA signatures.

<description>—Text description of IKE proposal.

<dh-group>—Define Diffie-Hellman group.

- group1—Diffie-Hellman Group1.
- group2—Diffie-Hellman Group2.

<encryption-algorithm>—Define encryption algorithm.

- 3des-cbc—3DES-CBC encryption algorithm.
- aes-128-cbc—AES-CBC 128-bit encryption algorithm.
- aes-192-cbc—AES-CBC 192-bit encryption algorithm.
- aes-256-cbc—AES-CBC 256-bit encryption algorithm.

- `des-cbc`—DES-CBC encryption algorithm.

`<lifetime-seconds>`—Lifetime, in seconds.

`<name>`—Name of the IKE proposal.

**<proposal> (configuration/security/ipsec)**

---

**Usage** <configuration>  
           <security>  
           <ipsec>  
             **<proposal>**  
               <name>*name*</name>   <!-- identifier -->  
               <description>*description*</description>  
               <protocol>*protocol-choice*</protocol>  
               <authentication-algorithm>*authentication-algorithm-choice*  
                   </authentication-algorithm>  
               <encryption-algorithm>*encryption-algorithm-choice*</encryption-algorithm>  
               <lifetime-seconds>*seconds*</lifetime-seconds>  
             **</proposal>**  
           </ipsec>  
         </security>  
       </configuration>

**Description** Define an IPSec proposal.

**Contents** <authentication-algorithm>—Define authentication algorithm.

- hmac-md5-96—HMAC-MD5-96 authentication algorithm.
- hmac-sha1-96—HMAC-SHA1-96 authentication algorithm.
- hmac-sha2-256—HMAC-SHA2-256 authentication algorithm.

<description>—Text description of IPSec proposal.

<encryption-algorithm>—Define encryption algorithm.

- 3des-cbc—3DES-CBC encryption algorithm.
- aes-128-cbc—AES-CBC 128-bit encryption algorithm.
- aes-192-cbc—AES-CBC 192-bit encryption algorithm.
- aes-256-cbc—AES-CBC 256-bit encryption algorithm.
- des-cbc—DES-CBC encryption algorithm.

<lifetime-seconds>—Lifetime, in seconds.

<name>—Name of the IPSec proposal.

<protocol>—Define an IPSec protocol for the proposal.

- ah—Authentication header.
- bundle—Bundle (AH authentication plus ESP encryption).
- esp—Encapsulated Security Payload header.

**<proposal> (configuration/services/ipsec-vpn/ike)**

---

**Usage**

```

<configuration>
  <services>
    <ipsec-vpn>
      <ike>
        <proposal>
          <name>name</name>    <!-- identifier -->
          <description>description</description>
          <authentication-method>authentication-method-choice
            </authentication-method>
          <dh-group>dh-group-choice</dh-group>
          <authentication-algorithm>authentication-algorithm-choice
            </authentication-algorithm>
          <encryption-algorithm>encryption-algorithm-choice</encryption-algorithm>
          <lifetime-seconds>seconds</lifetime-seconds>
        </proposal>
      </ike>
    </ipsec-vpn>
  </services>
</configuration>

```

**Description** Define an IKE proposal.

**Contents** <authentication-algorithm>—Define authentication algorithm.

- md5—MD5 authentication algorithm.
- sha-256—SHA 256-bit authentication algorithm.
- sha1—SHA1 authentication algorithm.

<authentication-method>—Define authentication method.

- dsa-signatures—DSA signatures.
- pre-shared-keys—Preshared keys.
- rsa-signatures—RSA signatures.

<description>—Text description of IKE proposal.

<dh-group>—Define Diffie-Hellman group.

- group1—Diffie-Hellman Group1.
- group2—Diffie-Hellman Group2.

<encryption-algorithm>—Define encryption algorithm.

- 3des-cbc—3DES-CBC encryption algorithm.
- aes-128-cbc—AES-CBC 128-bit encryption algorithm.
- aes-192-cbc—AES-CBC 192-bit encryption algorithm.



- `aes-256-cbc`—AES-CBC 256-bit encryption algorithm.
- `des-cbc`—DES-CBC encryption algorithm.

`<lifetime-seconds>`—Lifetime, in seconds.

`<name>`—Name of the IKE proposal.

**<proposal> (configuration/services/ipsec-vpn/ipsec)**

---

**Usage** <configuration>  
           <services>  
             <ipsec-vpn>  
               <ipsec>  
                 **<proposal>**  
                   <name>name</name>   <!-- identifier -->  
                   <description>description</description>  
                   <protocol>protocol-choice</protocol>  
                   <authentication-algorithm>authentication-algorithm-choice  
                     </authentication-algorithm>  
                   <encryption-algorithm>encryption-algorithm-choice</encryption-algorithm>  
                   <lifetime-seconds>seconds</lifetime-seconds>  
                 **</proposal>**  
               </ipsec>  
             </ipsec-vpn>  
           </services>  
         </configuration>

**Description** Define an IPSec proposal.

**Contents** <authentication-algorithm>—Define authentication algorithm.

- hmac-md5-96—HMAC-MD5-96 authentication algorithm.
- hmac-sha1-96—HMAC-SHA1-96 authentication algorithm.
- hmac-sha2-256—HMAC-SHA2-256 authentication algorithm.

<description>—Text description of IPSec proposal.

<encryption-algorithm>—Define encryption algorithm.

- 3des-cbc—3DES-CBC encryption algorithm.
- aes-128-cbc—AES-CBC 128-bit encryption algorithm.
- aes-192-cbc—AES-CBC 192-bit encryption algorithm.
- aes-256-cbc—AES-CBC 256-bit encryption algorithm.
- des-cbc—DES-CBC encryption algorithm.

<lifetime-seconds>—Lifetime, in seconds.

<name>—Name of the IPSec proposal.

<protocol>—Define an IPSec protocol for the proposal.

- ah—Authentication header.
- bundle—Bundle (AH authentication plus ESP encryption).
- esp—Encapsulated Security Payload header.

**<proposals> (configuration/security/ike/policy)**

---

**Usage** <configuration>  
           <security>  
             <ike>  
               <policy>  
                 **<proposals>**  
                   <name>*name*</name>   <!-- identifier -->  
                 **</proposals>**  
               </policy>  
             </ike>  
           </security>  
         </configuration>

**Description** Define the set of IKE proposals.

**Contents** <name>—Name of the proposal.

**<proposals> (configuration/security/ipsec/policy)**

---

**Usage** <configuration>  
           <security>  
             <ipsec>  
               <policy>  
                 **<proposals>**  
                   <name>*name*</name>   <!-- identifier -->  
                 **</proposals>**  
               </policy>  
             </ipsec>  
           </security>  
         </configuration>

**Description** Define the set of IPSec proposals.

**Contents** <name>—Name of the proposal.

**<proposals> (configuration/services/ipsec-vpn/ike/policy)**

---

**Usage** <configuration>  
     <services>  
         <ipsec-vpn>  
             <ike>  
                 <policy>  
                     **<proposals>**  
                         <name>*name*</name>   <!-- identifier -->  
                     **</proposals>**  
                 </policy>  
             </ike>  
         </ipsec-vpn>  
     </services>  
</configuration>

**Description** Define the set of IKE proposals.

**Contents** <name>—Name of the proposal.

**<proposals> (configuration/services/ipsec-vpn/ipsec/policy)**

---

**Usage** <configuration>  
     <services>  
         <ipsec-vpn>  
             <ipsec>  
                 <policy>  
                     **<proposals>**  
                         <name>*name*</name>   <!-- identifier -->  
                     **</proposals>**  
                 </policy>  
             </ipsec>  
         </ipsec-vpn>  
     </services>  
</configuration>

**Description** Define the set of IPSec proposals.

**Contents** <name>—Name of the proposal.

## **<protected-system-domains> (configuration/chassis/system-domains)**

---

**Usage** <configuration>  
           <chassis>  
             <system-domains>  
               **<protected-system-domains>**  
                 <name>*name*</name>   <!-- identifier -->  
                 <description>*description*</description>  
                 <fpcs>...</fpcs>  
                 <control-system-id>*control-system-id*</control-system-id>   <!-- mandatory -->  
                 <control-slot-numbers>...</control-slot-numbers>   <!-- mandatory -->  
                 <control-plane-bandwidth-percent>*percent*</control-plane-bandwidth-percent>  
               **</protected-system-domains>**  
             </system-domains>  
           </chassis>  
         </configuration>

**Description** Protected system domain configuration.

**Contents** <control-plane-bandwidth-percent>—Percentage of control plane bandwidth.  
             <control-slot-numbers>—Slots associated with protected system domain.  
             <control-system-id>—Control system identifier.  
             <description>—Description of protected system domain.  
             <fpcs>—FPC associated with protected system domain.  
             <name>—Name of protected system domain (psd[1-31], ex. psd2).

## **<protocol> (configuration/class-of-service/interfaces/interface/unit/rewrite-rules/dscp)**

---

**Usage**   <configuration>  
           <class-of-service>  
           <interfaces>  
           <interface>  
           <unit>  
           <rewrite-rules>  
           <dscp>  
             **<protocol>**  
               <name>*name*</name>   <!-- identifier -->  
             **</protocol>**  
           </dscp>  
           </rewrite-rules>  
           </unit>  
           </interface>  
           </interfaces>  
           </class-of-service>  
         </configuration>

**Description**   Specify protocol matching criteria.

**Contents**   <name>—Specify protocol matching criteria.

- mpls—Apply to IPv4 packets entering MPLS tunnel.

## **<protocol> (configuration/class-of-service/interfaces/interface/unit/rewrite-rules/exp)**

---

**Usage** <configuration>  
           <class-of-service>  
           <interfaces>  
           <interface>  
           <unit>  
           <rewrite-rules>  
           <exp>  
             **<protocol>**  
               <name>*name*</name>   <!-- identifier -->  
             **</protocol>**  
           </exp>  
           </rewrite-rules>  
           </unit>  
           </interface>  
           </interfaces>  
           </class-of-service>  
         </configuration>

**Description** Specify protocol matching criteria.

**Contents** <name>—Specify protocol matching criteria.

- **mpls-any**—Apply to MPLS packets, write MPLS header only.
- **mpls-inet-both**—Apply to IPv4 MPLS packets, write MPLS and IPv4 header.
- **mpls-inet-both-non-vpn**—Apply to IPv4 MPLS packets, write MPLS and IPv4 header for only non VPN traffic.

## **<protocol> (configuration/class-of-service/interfaces/interface/unit/rewrite-rules/inet-precedence)**

---

**Usage**   <configuration>  
           <class-of-service>  
           <interfaces>  
           <interface>  
           <unit>  
           <rewrite-rules>  
           <inet-precedence>  
             **<protocol>**  
               <name>*name*</name>   <!-- identifier -->  
             **</protocol>**  
           </inet-precedence>  
         </rewrite-rules>  
       </unit>  
     </interface>  
   </interfaces>  
</class-of-service>  
</configuration>

**Description**   Specify protocol matching criteria.

**Contents**   <name>—Specify protocol matching criteria.

- mpls—Apply to IPv4 packets entering MPLS tunnel.



## **<protocol> (configuration/dynamic-profiles/class-of-service/interfaces/interface/unit/rewrite-rules/dscp)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <class-of-service>  
           <interfaces>  
           <interface>  
           <unit>  
           <rewrite-rules>  
           <dscp>  
             **<protocol>**  
               <name>name</name>   <!-- identifier -->  
             **</protocol>**  
           </dscp>  
           </rewrite-rules>  
           </unit>  
           </interface>  
           </interfaces>  
           </class-of-service>  
           </dynamic-profiles>  
           </configuration>

**Description**   Specify protocol matching criteria.

**Contents**   <name>—Specify protocol matching criteria.

- mpls—Apply to IPv4 packets entering MPLS tunnel.

## **<protocol> (configuration/dynamic-profiles/class-of-service/interfaces/interface/unit/rewrite-rules/exp)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <class-of-service>  
           <interfaces>  
           <interface>  
           <unit>  
           <rewrite-rules>  
           <exp>  
             **<protocol>**  
               <name>name</name>   <!-- identifier -->  
             **</protocol>**  
           </exp>  
           </rewrite-rules>  
           </unit>  
           </interface>  
           </interfaces>  
           </class-of-service>  
           </dynamic-profiles>  
         </configuration>

**Description**   Specify protocol matching criteria.

**Contents**   <name>—Specify protocol matching criteria.

- mpls-any—Apply to MPLS packets, write MPLS header only.
- mpls-inet-both—Apply to IPv4 MPLS packets, write MPLS and IPv4 header.
- mpls-inet-both-non-vpn—Apply to IPv4 MPLS packets, write MPLS and IPv4 header for only non VPN traffic.

## **<protocol> (configuration/dynamic-profiles/class-of-service/interfaces/interface/unit/rewrite-rules/inet-precedence)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <class-of-service>  
           <interfaces>  
           <interface>  
           <unit>  
           <rewrite-rules>  
           <inet-precedence>  
           **<protocol>**  
             <name>name</name>   <!-- identifier -->  
           **</protocol>**  
           </inet-precedence>  
           </rewrite-rules>  
           </unit>  
           </interface>  
           </interfaces>  
           </class-of-service>  
           </dynamic-profiles>  
           </configuration>

**Description**   Specify protocol matching criteria.

**Contents**   <name>—Specify protocol matching criteria.

- mpls—Apply to IPv4 packets entering MPLS tunnel.

## **<protocol> (configuration/firewall/family/ethernet-switching/filter/term/from)**

---

**Usage**   <configuration>  
           <firewall>  
           <family>  
           <ethernet-switching>  
           <filter>  
           <term>  
           <from>  
             **<protocol>**  
               <name>*name*</name>   <!-- identifier -->  
             **</protocol>**  
           </from>  
           </term>  
           </filter>  
           </ethernet-switching>  
           </family>  
           </firewall>  
         </configuration>

**Description** Match IP protocol type.

**Contents**   <name>—No documentation is available yet.

- ah—IP Security authentication header.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- gre—Generic routing encapsulation.
- icmp—Internet Control Message Protocol.
- igmp—Internet Group Management Protocol.
- ipip—IP in IP.
- ospf—Open Shortest Path First.
- pim—Protocol Independent Multicast.
- range—Value.
- rsvp—Resource Reservation Protocol.
- sctp—Stream Control Transmission Protocol.
- tcp—Transmission Control Protocol.
- udp—User Datagram Protocol.

**<protocol> (configuration/firewall/family/inet/filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
             <family>  
               <inet>  
                 <filter>  
                   <term>  
                     <from>  
                       **<protocol>**  
                         <name>*name*</name>   <!-- identifier -->  
                       **</protocol>**  
                     </from>  
                   </term>  
                 </filter>  
               </inet>  
             </family>  
           </firewall>  
         </configuration>

**Description** Match IP protocol type.

**Contents** <name>—No documentation is available yet.

- ah—IP Security authentication header.
- dstopts—IPv6 destination options.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- fragment—IPv6 fragment header.
- gre—Generic routing encapsulation.
- hop-by-hop—IPv6 hop-by-hop options.
- icmp—Internet Control Message Protocol.
- icmpv6—Internet Control Message Protocol version 6.
- igmp—Internet Group Management Protocol.
- ipip—IP in IP.
- ipv6—IPv6 in IP.
- no-next-header—IPv6 no next header.
- ospf—Open Shortest Path First.
- pim—Protocol Independent Multicast.
- range—Range of values.

- routing—IPv6 routing header.
- rsvp—Resource Reservation Protocol.
- sctp—Stream Control Transmission Protocol.
- tcp—Transmission Control Protocol.
- udp—User Datagram Protocol.
- vrrp—Virtual Router Redundancy Protocol.

## **<protocol> (configuration/firewall/family/inet/service-filter/term/from)**

---

**Usage**   <configuration>  
           <firewall>  
           <family>  
           <inet>  
           <service-filter>  
           <term>  
           <from>  
               **<protocol>**  
                   <name>*name*</name>   <!-- identifier -->  
               **</protocol>**  
           </from>  
           </term>  
           </service-filter>  
           </inet>  
           </family>  
           </firewall>  
         </configuration>

**Description**   Match IP protocol type.

**Contents**   <name>—No documentation is available yet.

- ah—IP Security authentication header.
- dstopts—IPv6 destination options.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- fragment—IPv6 fragment header.
- gre—Generic routing encapsulation.
- hop-by-hop—IPv6 hop-by-hop options.
- icmp—Internet Control Message Protocol.
- icmpv6—Internet Control Message Protocol version 6.
- igmp—Internet Group Management Protocol.
- ipip—IP in IP.
- ipv6—IPv6 in IP.
- no-next-header—IPv6 no next header.
- ospf—Open Shortest Path First.
- pim—Protocol Independent Multicast.

- `range`—Range of values.
- `routing`—IPv6 routing header.
- `rsvp`—Resource Reservation Protocol.
- `sctp`—Stream Control Transmission Protocol.
- `tcp`—Transmission Control Protocol.
- `udp`—User Datagram Protocol.
- `vrp`—Virtual Router Redundancy Protocol.



## **<protocol> (configuration/firewall/family/inet/simple-filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
           <family>  
           <inet>  
           <simple-filter>  
           <term>  
           <from>  
               **<protocol>**  
                   <icmp/>  
                   <igmp/>  
                   <ipip/>  
                   <tcp/>  
                   <egp/>  
                   <udp/>  
                   <rsvp/>  
                   <gre/>  
                   <esp/>  
                   <ah/>  
                   <ospf/>  
                   <pim/>  
                   <sctp/>  
                   <icmpv6/>  
                   <ipv6/>  
                   <dstopts/>  
                   <routing/>  
                   <fragment/>  
                   <no-next-header/>  
                   <hop-by-hop/>  
                   <vrrp/>  
                   <range/>  
                   **</protocol>**  
               </from>  
           </term>  
         </simple-filter>  
       </inet>  
     </family>  
 </firewall>  
</configuration>

**Description** Match IP protocol type.

**Contents** <ah>—IP Security authentication header.  
               <dstopts>—IPv6 destination options.  
               <egp>—Exterior gateway protocol.  
               <esp>—IPSec Encapsulating Security Payload.  
               <fragment>—IPv6 fragment header.

<gre>—Generic routing encapsulation.

<hop-by-hop>—IPv6 hop-by-hop options.

<icmp>—Internet Control Message Protocol.

<icmpv6>—Internet Control Message Protocol version 6.

<igmp>—Internet Group Management Protocol.

<ipip>—IP in IP.

<ipv6>—IPv6 in IP.

<no-next-header>—IPv6 no next header.

<ospf>—Open Shortest Path First.

<pim>—Protocol Independent Multicast.

<range>—Range of values.

<routing>—IPv6 routing header.

<rsvp>—Resource Reservation Protocol.

<sctp>—Stream Control Transmission Protocol.

<tcp>—Transmission Control Protocol.

<udp>—User Datagram Protocol.

<vrrp>—Virtual Router Redundancy Protocol.

**<protocol> (configuration/firewall/filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
           <filter>  
           <term>  
           <from>  
               **<protocol>**  
                   <name>*name*</name>   <!-- identifier -->  
               **</protocol>**  
           </from>  
         </term>  
       </filter>  
     </firewall>  
 </configuration>

**Description** Match IP protocol type.

**Contents** <name>—No documentation is available yet.

- ah—IP Security authentication header.
- dstopts—IPv6 destination options.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- fragment—IPv6 fragment header.
- gre—Generic routing encapsulation.
- hop-by-hop—IPv6 hop-by-hop options.
- icmp—Internet Control Message Protocol.
- icmpv6—Internet Control Message Protocol version 6.
- igmp—Internet Group Management Protocol.
- ipip—IP in IP.
- ipv6—IPv6 in IP.
- no-next-header—IPv6 no next header.
- ospf—Open Shortest Path First.
- pim—Protocol Independent Multicast.
- range—Range of values.
- routing—IPv6 routing header.
- rsvp—Resource Reservation Protocol.

- `sctp`—Stream Control Transmission Protocol.
- `tcp`—Transmission Control Protocol.
- `udp`—User Datagram Protocol.
- `vrp`—Virtual Router Redundancy Protocol.

## **<protocol> (configuration/logical-systems/firewall/family/ethernet-switching/filter/term/from)**

---

**Usage** <configuration>  
           <logical-systems>  
           <firewall>  
           <family>  
           <ethernet-switching>  
           <filter>  
           <term>  
           <from>  
               **<protocol>**  
                   <name>name</name>   <!-- identifier -->  
               **</protocol>**  
           </from>  
           </term>  
           </filter>  
           </ethernet-switching>  
           </family>  
           </firewall>  
           </logical-systems>  
           </configuration>

**Description** Match IP protocol type.

**Contents** <name>—No documentation is available yet.

- ah—IP Security authentication header.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- gre—Generic routing encapsulation.
- icmp—Internet Control Message Protocol.
- igmp—Internet Group Management Protocol.
- ipip—IP in IP.
- ospf—Open Shortest Path First.
- pim—Protocol Independent Multicast.
- range—Value.
- rsvp—Resource Reservation Protocol.
- sctp—Stream Control Transmission Protocol.
- tcp—Transmission Control Protocol.
- udp—User Datagram Protocol.

## **<protocol> (configuration/logical-systems/firewall/family/inet/filter/term/from)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <inet>
          <filter>
            <term>
              <from>
                <protocol>
                  <name>name</name>    <!-- identifier -->
                </protocol>
              </from>
            </term>
          </filter>
        </inet>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Match IP protocol type.

**Contents** <name>—No documentation is available yet.

- ah—IP Security authentication header.
- dstopts—IPv6 destination options.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- fragment—IPv6 fragment header.
- gre—Generic routing encapsulation.
- hop-by-hop—IPv6 hop-by-hop options.
- icmp—Internet Control Message Protocol.
- icmpv6—Internet Control Message Protocol version 6.
- igmp—Internet Group Management Protocol.
- ipip—IP in IP.
- ipv6—IPv6 in IP.
- no-next-header—IPv6 no next header.
- ospf—Open Shortest Path First.

- `pim`—Protocol Independent Multicast.
- `range`—Range of values.
- `routing`—IPv6 routing header.
- `rsvp`—Resource Reservation Protocol.
- `sctp`—Stream Control Transmission Protocol.
- `tcp`—Transmission Control Protocol.
- `udp`—User Datagram Protocol.
- `vrp`—Virtual Router Redundancy Protocol.

## **<protocol> (configuration/logical-systems/firewall/family/inet/service-filter/term/from)**

---

**Usage** <configuration>  
     <logical-systems>  
         <firewall>  
             <family>  
                 <inet>  
                     <service-filter>  
                         <term>  
                             <from>  
                                 **<protocol>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</protocol>**  
                             </from>  
                         </term>  
                     </service-filter>  
                 </inet>  
             </family>  
         </firewall>  
     </logical-systems>  
</configuration>

**Description** Match IP protocol type.

**Contents** <name>—No documentation is available yet.

- ah—IP Security authentication header.
- dstopts—IPv6 destination options.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- fragment—IPv6 fragment header.
- gre—Generic routing encapsulation.
- hop-by-hop—IPv6 hop-by-hop options.
- icmp—Internet Control Message Protocol.
- icmpv6—Internet Control Message Protocol version 6.
- igmp—Internet Group Management Protocol.
- ipip—IP in IP.
- ipv6—IPv6 in IP.
- no-next-header—IPv6 no next header.
- ospf—Open Shortest Path First.



- `pim`—Protocol Independent Multicast.
- `range`—Range of values.
- `routing`—IPv6 routing header.
- `rsvp`—Resource Reservation Protocol.
- `sctp`—Stream Control Transmission Protocol.
- `tcp`—Transmission Control Protocol.
- `udp`—User Datagram Protocol.
- `vrp`—Virtual Router Redundancy Protocol.

## <protocol> (configuration/logical-systems/firewall/family/inet/simple-filter/term/from)

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <inet>
          <simple-filter>
            <term>
              <from>
                <protocol>
                  <icmp/>
                  <igmp/>
                  <ipip/>
                  <tcp/>
                  <egp/>
                  <udp/>
                  <rsvp/>
                  <gre/>
                  <esp/>
                  <ah/>
                  <ospf/>
                  <pim/>
                  <sctp/>
                  <icmpv6/>
                  <ipv6/>
                  <dstopts/>
                  <routing/>
                  <fragment/>
                  <no-next-header/>
                  <hop-by-hop/>
                  <vrrp/>
                  <range/>
                </protocol>
              </from>
            </term>
          </simple-filter>
        </inet>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Match IP protocol type.

**Contents**

- <ah>—IP Security authentication header.
- <dstopts>—IPv6 destination options.
- <egp>—Exterior gateway protocol.
- <esp>—IPSec Encapsulating Security Payload.

<fragment>—IPv6 fragment header.

<gre>—Generic routing encapsulation.

<hop-by-hop>—IPv6 hop-by-hop options.

<icmp>—Internet Control Message Protocol.

<icmpv6>—Internet Control Message Protocol version 6.

<igmp>—Internet Group Management Protocol.

<ipip>—IP in IP.

<ipv6>—IPv6 in IP.

<no-next-header>—IPv6 no next header.

<ospf>—Open Shortest Path First.

<pim>—Protocol Independent Multicast.

<range>—Range of values.

<routing>—IPv6 routing header.

<rsvp>—Resource Reservation Protocol.

<sctp>—Stream Control Transmission Protocol.

<tcp>—Transmission Control Protocol.

<udp>—User Datagram Protocol.

<vrrp>—Virtual Router Redundancy Protocol.

## **<protocol> (configuration/logical-systems/firewall/filter/term/ from)**

---

**Usage** <configuration>  
           <logical-systems>  
             <firewall>  
               <filter>  
                 <term>  
                   <from>  
                     **<protocol>**  
                       <name>name</name>   <!-- identifier -->  
                     **</protocol>**  
                   </from>  
                 </term>  
               </filter>  
             </firewall>  
           </logical-systems>  
         </configuration>

**Description** Match IP protocol type.

**Contents** <name>—No documentation is available yet.

- ah—IP Security authentication header.
- dstopts—IPv6 destination options.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- fragment—IPv6 fragment header.
- gre—Generic routing encapsulation.
- hop-by-hop—IPv6 hop-by-hop options.
- icmp—Internet Control Message Protocol.
- icmpv6—Internet Control Message Protocol version 6.
- igmp—Internet Group Management Protocol.
- ipip—IP in IP.
- ipv6—IPv6 in IP.
- no-next-header—IPv6 no next header.
- ospf—Open Shortest Path First.
- pim—Protocol Independent Multicast.
- range—Range of values.

- `routing`—IPv6 routing header.
- `rsvp`—Resource Reservation Protocol.
- `sctp`—Stream Control Transmission Protocol.
- `tcp`—Transmission Control Protocol.
- `udp`—User Datagram Protocol.
- `vrp`—Virtual Router Redundancy Protocol.

## **<protocol> (configuration/logical-systems/policy-options/policy-statement/from)**

---

**Usage** <configuration>  
           <logical-systems>  
           <policy-options>  
           <policy-statement>  
           <from>  
             **<protocol>**  
               <name>name</name>   <!-- identifier -->  
             **</protocol>**  
           </from>  
         </policy-statement>  
       </policy-options>  
     </logical-systems>  
 </configuration>

**Description** Protocol from which route was learned.

**Contents** <name>—Protocol from which route was learned.

- access—Access server routes.
- access-internal—Internal routes to directly connected clients.
- aggregate—Aggregate routes.
- bgp—BGP.
- direct—Directly connected routes.
- dvmrp—Distance Vector Multicast Routing Protocol.
- esis—End System-to-Intermediate System.
- isis—Intermediate System-to-Intermediate System.
- l2circuit—Layer 2 circuits.
- l2vpn—Layer 2 MPLS virtual private networks.
- ldp—Label Distribution Protocol.
- local—Local system addresses.
- msdp—Multicast Source Discovery Protocol.
- ospf—Open Shortest Path First.
- ospf2—Open Shortest Path First Version 2.
- ospf3—Open Shortest Path First Version 3.
- pim—Protocol Independent Multicast.

- `rip`—Routing Information Protocol.
- `ripng`—Routing Information Protocol next generation.
- `rsvp`—Resource Reservation Protocol.
- `rtarget`—Local route target VPN membership.
- `static`—Statically defined addresses.

## **<protocol> (configuration/logical-systems/policy-options/ policy-statement/term/from)**

---

**Usage** <configuration>  
     <logical-systems>  
         <policy-options>  
             <policy-statement>  
                 <term>  
                     <from>  
                         **<protocol>**  
                             <name>name</name>   <!-- identifier -->  
                         **</protocol>**  
                     </from>  
                 </term>  
             </policy-statement>  
         </policy-options>  
     </logical-systems>  
</configuration>

**Description** Protocol from which route was learned.

**Contents** <name>—Protocol from which route was learned.

- access—Access server routes.
- access-internal—Internal routes to directly connected clients.
- aggregate—Aggregate routes.
- bgp—BGP.
- direct—Directly connected routes.
- dvmrp—Distance Vector Multicast Routing Protocol.
- esis—End System-to-Intermediate System.
- isis—Intermediate System-to-Intermediate System.
- l2circuit—Layer 2 circuits.
- l2vpn—Layer 2 MPLS virtual private networks.
- ldp—Label Distribution Protocol.
- local—Local system addresses.
- msdp—Multicast Source Discovery Protocol.
- ospf—Open Shortest Path First.
- ospf2—Open Shortest Path First Version 2.
- ospf3—Open Shortest Path First Version 3.



- `pim`—Protocol Independent Multicast.
- `rip`—Routing Information Protocol.
- `ripng`—Routing Information Protocol next generation.
- `rsvp`—Resource Reservation Protocol.
- `rtarget`—Local route target VPN membership.
- `static`—Statically defined addresses.

## **<protocol> (configuration/logical-systems/policy-options/ policy-statement/term/to)**

---

**Usage** <configuration>  
     <logical-systems>  
         <policy-options>  
             <policy-statement>  
                 <term>  
                     <to>  
                         **<protocol>**  
                             <name>name</name>   <!-- identifier -->  
                         **</protocol>**  
                     </to>  
                 </term>  
             </policy-statement>  
         </policy-options>  
     </logical-systems>  
</configuration>

**Description** Protocol from which route was learned.

**Contents** <name>—Protocol from which route was learned.

- access—Access server routes.
- access-internal—Internal routes to directly connected clients.
- aggregate—Aggregate routes.
- bgp—BGP.
- direct—Directly connected routes.
- dvmrp—Distance Vector Multicast Routing Protocol.
- esis—End System-to-Intermediate System.
- isis—Intermediate System-to-Intermediate System.
- l2circuit—Layer 2 circuits.
- l2vpn—Layer 2 MPLS virtual private networks.
- ldp—Label Distribution Protocol.
- local—Local system addresses.
- msdp—Multicast Source Discovery Protocol.
- ospf—Open Shortest Path First.
- ospf2—Open Shortest Path First Version 2.
- ospf3—Open Shortest Path First Version 3.

- `pim`—Protocol Independent Multicast.
- `rip`—Routing Information Protocol.
- `ripng`—Routing Information Protocol next generation.
- `rsvp`—Resource Reservation Protocol.
- `rtarget`—Local route target VPN membership.
- `static`—Statically defined addresses.

## **<protocol> (configuration/logical-systems/policy-options/policy-statement/to)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <policy-options>  
           <policy-statement>  
           <to>  
             **<protocol>**  
               <name>name</name>   <!-- identifier -->  
             **</protocol>**  
           </to>  
         </policy-statement>  
       </policy-options>  
     </logical-systems>  
 </configuration>

**Description**   Protocol from which route was learned.

**Contents**   <name>—Protocol from which route was learned.

- access—Access server routes.
- access-internal—Internal routes to directly connected clients.
- aggregate—Aggregate routes.
- bgp—BGP.
- direct—Directly connected routes.
- dvmrp—Distance Vector Multicast Routing Protocol.
- esis—End System-to-Intermediate System.
- isis—Intermediate System-to-Intermediate System.
- l2circuit—Layer 2 circuits.
- l2vpn—Layer 2 MPLS virtual private networks.
- ldp—Label Distribution Protocol.
- local—Local system addresses.
- msdp—Multicast Source Discovery Protocol.
- ospf—Open Shortest Path First.
- ospf2—Open Shortest Path First Version 2.
- ospf3—Open Shortest Path First Version 3.
- pim—Protocol Independent Multicast.

- rip—Routing Information Protocol.
- ripng—Routing Information Protocol next generation.
- rsvp—Resource Reservation Protocol.
- rtarget—Local route target VPN membership.
- static—Statically defined addresses.

### **<protocol> (configuration/logical-systems/protocols/layer2-control/mac-rewrite/interface)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <protocols>  
           <layer2-control>  
           <mac-rewrite>  
           <interface>  
           **<protocol>**  
           <stp>stp</stp>  
           <vtp>vtp</vtp>  
           <cdp>cdp</cdp>  
           **</protocol>**  
           </interface>  
           </mac-rewrite>  
           </layer2-control>  
           </protocols>  
           </logical-systems>  
           </configuration>

**Description**   Protocols for which mac rewrite need to be enabled.

**Contents**   <cdp>—Enable mac rewrite for CDP.

          <stp>—Enable mac rewrite for STP.

          <vtp>—Enable mac rewrite for VTP.

## **<protocol> (configuration/logical-systems/routing-instances/instance/routing-options/flow/route/match)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <routing-options>  
                     <flow>  
                         <route>  
                             <match>  
                                 **<protocol>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</protocol>**  
                             </match>  
                         </route>  
                     </flow>  
                 </routing-options>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** IP protocol value.

**Contents** <name>—IP protocol value.

- ah—IP Security authentication header.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- expression—No documentation is available yet.
- gre—Generic routing encapsulation.
- icmp—Internet Control Message Protocol.
- igmp—Internet Group Management Protocol.
- ipip—IP in IP.
- ospf—Open Shortest Path First.
- pim—Protocol Independent Multicast.
- rsvp—Resource Reservation Protocol.
- sctp—Stream Control Transmission Protocol.
- tcp—Transmission Control Protocol.
- udp—User Datagram Protocol.

## **<protocol> (configuration/logical-systems/routing-options/flow/ route/match)**

---

**Usage** <configuration>  
           <logical-systems>  
           <routing-options>  
           <flow>  
           <route>  
           <match>  
             **<protocol>**  
               <name>name</name>   <!-- identifier -->  
             **</protocol>**  
           </match>  
         </route>  
       </flow>  
     </routing-options>  
 </logical-systems>  
</configuration>

**Description** IP protocol value.

**Contents** <name>—IP protocol value.

- ah—IP Security authentication header.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- expression—No documentation is available yet.
- gre—Generic routing encapsulation.
- icmp—Internet Control Message Protocol.
- igmp—Internet Group Management Protocol.
- ipip—IP in IP.
- ospf—Open Shortest Path First.
- pim—Protocol Independent Multicast.
- rsvp—Resource Reservation Protocol.
- sctp—Stream Control Transmission Protocol.
- tcp—Transmission Control Protocol.
- udp—User Datagram Protocol.

**<protocol> (configuration/policy-options/policy-statement/from)**

---

**Usage** <configuration>  
           <policy-options>  
             <policy-statement>  
               <from>  
                 **<protocol>**  
                   <name>name</name>   <!-- identifier -->  
                 **</protocol>**  
               </from>  
             </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Protocol from which route was learned.

**Contents** <name>—Protocol from which route was learned.

- access—Access server routes.
- access-internal—Internal routes to directly connected clients.
- aggregate—Aggregate routes.
- bgp—BGP.
- direct—Directly connected routes.
- dvmrp—Distance Vector Multicast Routing Protocol.
- esis—End System-to-Intermediate System.
- isis—Intermediate System-to-Intermediate System.
- l2circuit—Layer 2 circuits.
- l2vpn—Layer 2 MPLS virtual private networks.
- ldp—Label Distribution Protocol.
- local—Local system addresses.
- msdp—Multicast Source Discovery Protocol.
- ospf—Open Shortest Path First.
- ospf2—Open Shortest Path First Version 2.
- ospf3—Open Shortest Path First Version 3.
- pim—Protocol Independent Multicast.
- rip—Routing Information Protocol.
- ripng—Routing Information Protocol next generation.



- `rsvp`—Resource Reservation Protocol.
- `rtarget`—Local route target VPN membership.
- `static`—Statically defined addresses.

## <protocol> (configuration/policy-options/policy-statement/term/from)

---

**Usage** <configuration>  
     <policy-options>  
         <policy-statement>  
             <term>  
                 <from>  
                     <protocol>  
                         <name>name</name>   <!-- identifier -->  
                     </protocol>  
                 </from>  
             </term>  
         </policy-statement>  
     </policy-options>  
</configuration>

**Description** Protocol from which route was learned.

**Contents** <name>—Protocol from which route was learned.

- access—Access server routes.
- access-internal—Internal routes to directly connected clients.
- aggregate—Aggregate routes.
- bgp—BGP.
- direct—Directly connected routes.
- dvmrp—Distance Vector Multicast Routing Protocol.
- esis—End System-to-Intermediate System.
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- l2circuit—Layer 2 circuits.
- l2vpn—Layer 2 MPLS virtual private networks.
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- local—Local system addresses.
- msdp—Multicast Source Discovery Protocol.
- ospf—Open Shortest Path First.
- ospf2—Open Shortest Path First Version 2.
- ospf3—Open Shortest Path First Version 3.
- pim—Protocol Independent Multicast.

- `rip`—Routing Information Protocol.
- `ripng`—Routing Information Protocol next generation.
- `rsvp`—Resource Reservation Protocol.
- `rtarget`—Local route target VPN membership.
- `static`—Statically defined addresses.

## **<protocol> (configuration/policy-options/policy-statement/term/to)**

---

**Usage**    <configuration>  
              <policy-options>  
              <policy-statement>  
              <term>  
              <to>  
                  **<protocol>**  
                  <name>*name*</name>    <!-- identifier -->  
                  **</protocol>**  
              </to>  
              </term>  
              </policy-statement>  
              </policy-options>  
              </configuration>

**Description**    Protocol from which route was learned.

**Contents**    <name>—Protocol from which route was learned.

- access—Access server routes.
- access-internal—Internal routes to directly connected clients.
- aggregate—Aggregate routes.
- bgp—BGP.
- direct—Directly connected routes.
- dvmrp—Distance Vector Multicast Routing Protocol.
- esis—End System-to-Intermediate System.
- isis—Intermediate System-to-Intermediate System.
- l2circuit—Layer 2 circuits.
- l2vpn—Layer 2 MPLS virtual private networks.
- ldp—Label Distribution Protocol.
- local—Local system addresses.
- msdp—Multicast Source Discovery Protocol.
- ospf—Open Shortest Path First.
- ospf2—Open Shortest Path First Version 2.
- ospf3—Open Shortest Path First Version 3.
- pim—Protocol Independent Multicast.

- `rip`—Routing Information Protocol.
- `ripng`—Routing Information Protocol next generation.
- `rsvp`—Resource Reservation Protocol.
- `rtarget`—Local route target VPN membership.
- `static`—Statically defined addresses.

**<protocol> (configuration/policy-options/policy-statement/to)**

---

**Usage** <configuration>  
           <policy-options>  
             <policy-statement>  
               <to>  
                 **<protocol>**  
                   <name>name</name>   <!-- identifier -->  
                 **</protocol>**  
               </to>  
             </policy-statement>  
           </policy-options>  
         </configuration>

**Description** Protocol from which route was learned.

**Contents** <name>—Protocol from which route was learned.

- access—Access server routes.
- access-internal—Internal routes to directly connected clients.
- aggregate—Aggregate routes.
- bgp—BGP.
- direct—Directly connected routes.
- dvmrp—Distance Vector Multicast Routing Protocol.
- esis—End System-to-Intermediate System.
- isis—Intermediate System-to-Intermediate System.
- l2circuit—Layer 2 circuits.
- l2vpn—Layer 2 MPLS virtual private networks.
- ldp—Label Distribution Protocol.
- local—Local system addresses.
- msdp—Multicast Source Discovery Protocol.
- ospf—Open Shortest Path First.
- ospf2—Open Shortest Path First Version 2.
- ospf3—Open Shortest Path First Version 3.
- pim—Protocol Independent Multicast.
- rip—Routing Information Protocol.
- ripng—Routing Information Protocol next generation.

- rsvp—Resource Reservation Protocol.
- rtarget—Local route target VPN membership.
- static—Statically defined addresses.

**<protocol> (configuration/protocols/layer2-control/mac-rewrite/  
interface)**

---

**Usage** <configuration>  
          <protocols>  
            <layer2-control>  
              <mac-rewrite>  
                <interface>  
                  **<protocol>**  
                    <stp>stp</stp>  
                    <vtp>vtp</vtp>  
                    <cdp>cdp</cdp>  
                  **</protocol>**  
                </interface>  
              </mac-rewrite>  
            </layer2-control>  
          </protocols>  
        </configuration>

**Description** Protocols for which mac rewrite need to be enabled.

**Contents** <cdp>—Enable mac rewrite for CDP.

          <stp>—Enable mac rewrite for STP.

          <vtp>—Enable mac rewrite for VTP.

## **<protocol> (configuration/routing-instances/instance/routing-options/flow/route/match)**

---

**Usage**    <configuration>  
              <routing-instances>  
              <instance>  
              <routing-options>  
              <flow>  
              <route>  
              <match>  
                  **<protocol>**  
                  <name>*name*</name>    <!-- identifier -->  
                  **</protocol>**  
              </match>  
              </route>  
              </flow>  
              </routing-options>  
              </instance>  
              </routing-instances>  
          </configuration>

**Description**    IP protocol value.

**Contents**    <name>—IP protocol value.

- ah—IP Security authentication header.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- expression—No documentation is available yet.
- gre—Generic routing encapsulation.
- icmp—Internet Control Message Protocol.
- igmp—Internet Group Management Protocol.
- ipip—IP in IP.
- ospf—Open Shortest Path First.
- pim—Protocol Independent Multicast.
- rsvp—Resource Reservation Protocol.
- sctp—Stream Control Transmission Protocol.
- tcp—Transmission Control Protocol.
- udp—User Datagram Protocol.



**<protocol> (configuration/routing-options/flow/route/match)**

---

**Usage**   <configuration>  
           <routing-options>  
           <flow>  
           <route>  
           <match>  
               **<protocol>**  
                   <name>*name*</name>   <!-- identifier -->  
               **</protocol>**  
           </match>  
         </route>  
       </flow>  
     </routing-options>  
 </configuration>

**Description**   IP protocol value.

**Contents**   <name>—IP protocol value.

- ah—IP Security authentication header.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- expression—No documentation is available yet.
- gre—Generic routing encapsulation.
- icmp—Internet Control Message Protocol.
- igmp—Internet Group Management Protocol.
- ipip—IP in IP.
- ospf—Open Shortest Path First.
- pim—Protocol Independent Multicast.
- rsvp—Resource Reservation Protocol.
- sctp—Stream Control Transmission Protocol.
- tcp—Transmission Control Protocol.
- udp—User Datagram Protocol.

## **<protocol> (configuration/services/ggsn/service-identification/header-rule/term/from)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <service-identification>  
                 <header-rule>  
                     <term>  
                         <from>  
                             **<protocol>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</protocol>**  
                         </from>  
                     </term>  
                 </header-rule>  
             </service-identification>  
         </ggsn>  
     </services>  
</configuration>

**Description** Match protocol type.

**Contents** <name>—Match protocol type.

- ah—IP Security authentication header.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- gre—Generic routing encapsulation.
- icmp—Internet Control Message Protocol.
- igmp—Internet Group Management Protocol.
- ipip—IP in IP.
- number—Numeric protocol value (0 .. 255).
- ospf—Open Shortest Path First.
- pim—Protocol Independent Multicast.
- rsvp—Resource Reservation Protocol.
- sctp—Stream Control Transmission Protocol.
- tcp—Transmission Control Protocol.
- udp—User Datagram Protocol.

## **<protocol> (configuration/services/ggsn/service-identification/heuristic-rule/term/from)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <service-identification>  
                 <heuristic-rule>  
                     <term>  
                         <from>  
                             **<protocol>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</protocol>**  
                         </from>  
                     </term>  
                 </heuristic-rule>  
             </service-identification>  
         </ggsn>  
     </services>  
</configuration>

**Description** Match protocol sessions.

**Contents** <name>—No documentation is available yet.

- aol-instant-messenger—America Online IM traffic.
- bit-torrent—BitTorrent traffic.
- edonkey-2000—Edonkey2000 (eMule) traffic.
- fast-track—Fast Track/Kazaa traffic.
- gnutella—Gnutella traffic.
- google-talk—Google Talk traffic.
- name—Protocol name.
- open-fast-track—Open Fast Track traffic.
- p2p—All peer-to-peer traffic.
- skype—Skype traffic.
- tencent-qq—TencentQQ traffic.
- voip—All voice-over-IP traffic.
- windows-live-messenger—MSN/Windows Live Messenger traffic.
- wireless-village—Wireless Village traffic.
- yahoo-messenger—Yahoo Messenger traffic.

**<protocol> (configuration/services/l2tp/traceoptions/filter)**

---

**Usage**   <configuration>  
           <services>  
           <l2tp>  
           <traceoptions>  
           <filter>  
             **<protocol>**  
               <name>*name*</name>   <!-- identifier -->  
             **</protocol>**  
           </filter>  
         </traceoptions>  
       </l2tp>  
     </services>  
 </configuration>

**Description**   Additional filter for protocol.

**Contents**   <name>—No documentation is available yet.

- l2tp—Trace Layer 2 Tunneling Protocol events.
- ppp—Trace Point-to-Point Protocol events.
- radius—Trace RADIUS events.
- udp—Trace User Datagram Protocol events.

## **<protocol-except> (configuration/firewall/family/ethernet-switching/filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
             <family>  
               <ethernet-switching>  
                 <filter>  
                   <term>  
                     <from>  
                       **<protocol-except>**  
                         <name>*name*</name>   <!-- identifier -->  
                       **</protocol-except>**  
                     </from>  
                   </term>  
                 </filter>  
               </ethernet-switching>  
             </family>  
           </firewall>  
         </configuration>

**Description** Do not match IP protocol type.

**Contents** <name>—No documentation is available yet.

- ah—IP Security authentication header.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- gre—Generic routing encapsulation.
- icmp—Internet Control Message Protocol.
- igmp—Internet Group Management Protocol.
- ipip—IP in IP.
- ospf—Open Shortest Path First.
- pim—Protocol Independent Multicast.
- range—Value.
- rsvp—Resource Reservation Protocol.
- sctp—Stream Control Transmission Protocol.
- tcp—Transmission Control Protocol.
- udp—User Datagram Protocol.

## <protocol-except> (configuration/firewall/family/inet/filter/term/from)

---

**Usage**

```
<configuration>
  <firewall>
    <family>
      <inet>
        <filter>
          <term>
            <from>
              <protocol-except>
                <name>name</name>    <!-- identifier -->
              </protocol-except>
            </from>
          </term>
        </filter>
      </inet>
    </family>
  </firewall>
</configuration>
```

**Description** Do not match IP protocol type.

**Contents** <name>—No documentation is available yet.

- ah—IP Security authentication header.
- dstopts—IPv6 destination options.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- fragment—IPv6 fragment header.
- gre—Generic routing encapsulation.
- hop-by-hop—IPv6 hop-by-hop options.
- icmp—Internet Control Message Protocol.
- icmpv6—Internet Control Message Protocol version 6.
- igmp—Internet Group Management Protocol.
- ipip—IP in IP.
- ipv6—IPv6 in IP.
- no-next-header—IPv6 no next header.
- ospf—Open Shortest Path First.
- pim—Protocol Independent Multicast.

- `range`—Range of values.
- `routing`—IPv6 routing header.
- `rsvp`—Resource Reservation Protocol.
- `sctp`—Stream Control Transmission Protocol.
- `tcp`—Transmission Control Protocol.
- `udp`—User Datagram Protocol.
- `vrrp`—Virtual Router Redundancy Protocol.

## **<protocol-except> (configuration/firewall/family/inet/service-filter/term/from)**

---

**Usage** <configuration>  
     <firewall>  
         <family>  
             <inet>  
                 <service-filter>  
                     <term>  
                         <from>  
                             **<protocol-except>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</protocol-except>**  
                         </from>  
                     </term>  
                 </service-filter>  
             </inet>  
         </family>  
     </firewall>  
</configuration>

**Description** Do not match IP protocol type.

**Contents** <name>—No documentation is available yet.

- ah—IP Security authentication header.
- dstopts—IPv6 destination options.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- fragment—IPv6 fragment header.
- gre—Generic routing encapsulation.
- hop-by-hop—IPv6 hop-by-hop options.
- icmp—Internet Control Message Protocol.
- icmpv6—Internet Control Message Protocol version 6.
- igmp—Internet Group Management Protocol.
- ipip—IP in IP.
- ipv6—IPv6 in IP.
- no-next-header—IPv6 no next header.
- ospf—Open Shortest Path First.
- pim—Protocol Independent Multicast.



- `range`—Range of values.
- `routing`—IPv6 routing header.
- `rsvp`—Resource Reservation Protocol.
- `sctp`—Stream Control Transmission Protocol.
- `tcp`—Transmission Control Protocol.
- `udp`—User Datagram Protocol.
- `vrrp`—Virtual Router Redundancy Protocol.

**<protocol-except> (configuration/firewall/filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
             <filter>  
               <term>  
                 <from>  
                   **<protocol-except>**  
                     <name>*name*</name>   <!-- identifier -->  
                   **</protocol-except>**  
                 </from>  
               </term>  
             </filter>  
           </firewall>  
         </configuration>

**Description** Do not match IP protocol type.

**Contents** <name>—No documentation is available yet.

- ah—IP Security authentication header.
- dstopts—IPv6 destination options.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- fragment—IPv6 fragment header.
- gre—Generic routing encapsulation.
- hop-by-hop—IPv6 hop-by-hop options.
- icmp—Internet Control Message Protocol.
- icmpv6—Internet Control Message Protocol version 6.
- igmp—Internet Group Management Protocol.
- ipip—IP in IP.
- ipv6—IPv6 in IP.
- no-next-header—IPv6 no next header.
- ospf—Open Shortest Path First.
- pim—Protocol Independent Multicast.
- range—Range of values.
- routing—IPv6 routing header.
- rsvp—Resource Reservation Protocol.

- `sctp`—Stream Control Transmission Protocol.
- `tcp`—Transmission Control Protocol.
- `udp`—User Datagram Protocol.
- `vrp`—Virtual Router Redundancy Protocol.

## **<protocol-except> (configuration/logical-systems/firewall/family/ethernet-switching/filter/term/from)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <ethernet-switching>
          <filter>
            <term>
              <from>
                <protocol-except>
                  <name>name</name>    <!-- identifier -->
                </protocol-except>
              </from>
            </term>
          </filter>
        </ethernet-switching>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Do not match IP protocol type.

**Contents** <name>—No documentation is available yet.

- ah—IP Security authentication header.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- gre—Generic routing encapsulation.
- icmp—Internet Control Message Protocol.
- igmp—Internet Group Management Protocol.
- ipip—IP in IP.
- ospf—Open Shortest Path First.
- pim—Protocol Independent Multicast.
- range—Value.
- rsvp—Resource Reservation Protocol.
- sctp—Stream Control Transmission Protocol.
- tcp—Transmission Control Protocol.
- udp—User Datagram Protocol.

## **<protocol-except> (configuration/logical-systems/firewall/family/inet/filter/term/from)**

---

**Usage** <configuration>  
           <logical-systems>  
           <firewall>  
           <family>  
           <inet>  
           <filter>  
           <term>  
           <from>  
               **<protocol-except>**  
                   <name>name</name>   <!-- identifier -->  
               **</protocol-except>**  
           </from>  
           </term>  
           </filter>  
           </inet>  
           </family>  
           </firewall>  
           </logical-systems>  
         </configuration>

**Description** Do not match IP protocol type.

**Contents** <name>—No documentation is available yet.

- ah—IP Security authentication header.
- dstopts—IPv6 destination options.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- fragment—IPv6 fragment header.
- gre—Generic routing encapsulation.
- hop-by-hop—IPv6 hop-by-hop options.
- icmp—Internet Control Message Protocol.
- icmpv6—Internet Control Message Protocol version 6.
- igmp—Internet Group Management Protocol.
- ipip—IP in IP.
- ipv6—IPv6 in IP.
- no-next-header—IPv6 no next header.
- ospf—Open Shortest Path First.

- `pim`—Protocol Independent Multicast.
- `range`—Range of values.
- `routing`—IPv6 routing header.
- `rsvp`—Resource Reservation Protocol.
- `sctp`—Stream Control Transmission Protocol.
- `tcp`—Transmission Control Protocol.
- `udp`—User Datagram Protocol.
- `vrp`—Virtual Router Redundancy Protocol.

## **<protocol-except> (configuration/logical-systems/firewall/family/inet/service-filter/term/from)**

---

**Usage** <configuration>  
           <logical-systems>  
           <firewall>  
           <family>  
           <inet>  
           <service-filter>  
           <term>  
           <from>  
               **<protocol-except>**  
                   <name>name</name>   <!-- identifier -->  
               **</protocol-except>**  
           </from>  
           </term>  
           </service-filter>  
           </inet>  
           </family>  
           </firewall>  
           </logical-systems>  
         </configuration>

**Description** Do not match IP protocol type.

**Contents** <name>—No documentation is available yet.

- ah—IP Security authentication header.
- dstopts—IPv6 destination options.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- fragment—IPv6 fragment header.
- gre—Generic routing encapsulation.
- hop-by-hop—IPv6 hop-by-hop options.
- icmp—Internet Control Message Protocol.
- icmpv6—Internet Control Message Protocol version 6.
- igmp—Internet Group Management Protocol.
- ipip—IP in IP.
- ipv6—IPv6 in IP.
- no-next-header—IPv6 no next header.
- ospf—Open Shortest Path First.

- `pim`—Protocol Independent Multicast.
- `range`—Range of values.
- `routing`—IPv6 routing header.
- `rsvp`—Resource Reservation Protocol.
- `sctp`—Stream Control Transmission Protocol.
- `tcp`—Transmission Control Protocol.
- `udp`—User Datagram Protocol.
- `vrp`—Virtual Router Redundancy Protocol.



## **<protocol-except> (configuration/logical-systems/firewall/filter/term/from)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <firewall>  
           <filter>  
           <term>  
           <from>  
               **<protocol-except>**  
               <name>name</name>   <!-- identifier -->  
               **</protocol-except>**  
           </from>  
           </term>  
           </filter>  
           </firewall>  
           </logical-systems>  
         </configuration>

**Description**   Do not match IP protocol type.

**Contents**   <name>—No documentation is available yet.

- ah—IP Security authentication header.
- dstopts—IPv6 destination options.
- egp—Exterior gateway protocol.
- esp—IPSec Encapsulating Security Payload.
- fragment—IPv6 fragment header.
- gre—Generic routing encapsulation.
- hop-by-hop—IPv6 hop-by-hop options.
- icmp—Internet Control Message Protocol.
- icmpv6—Internet Control Message Protocol version 6.
- igmp—Internet Group Management Protocol.
- ipip—IP in IP.
- ipv6—IPv6 in IP.
- no-next-header—IPv6 no next header.
- ospf—Open Shortest Path First.
- pim—Protocol Independent Multicast.
- range—Range of values.

- routing—IPv6 routing header.
- rsvp—Resource Reservation Protocol.
- sctp—Stream Control Transmission Protocol.
- tcp—Transmission Control Protocol.
- udp—User Datagram Protocol.
- vrrp—Virtual Router Redundancy Protocol.

## **<protocol-inspection> (configuration/services/ggsn/service-identification/header-rule/term/then)**

---

**Usage**

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <header-rule>
          <term>
            <then>
              <protocol-inspection>
                <http-wsp-rule-set>http-wsp-rule-set</http-wsp-rule-set>
                <smtp-rule-set>smtp-rule-set</smtp-rule-set>
                <pop3-rule-set>pop3-rule-set</pop3-rule-set>
                <ftp-rule-set>ftp-rule-set</ftp-rule-set>
                <tftp-rule-set>tftp-rule-set</tftp-rule-set>
                <rtsp-rule-set>rtsp-rule-set</rtsp-rule-set>
                <sip-rule-set>sip-rule-set</sip-rule-set>
                <msn-rule-set>msn-rule-set</msn-rule-set>
                <dns-rule-set>dns-rule-set</dns-rule-set>
              </protocol-inspection>
            </then>
          </term>
        </header-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

**Description** Protocol inspection settings for flow.

**Contents**

- <dns-rule-set>—Apply a DNS rule set for transactions.
- <ftp-rule-set>—Apply an FTP rule set for transactions.
- <http-wsp-rule-set>—Apply a HTTPS/WSP rule set for transactions.
- <msn-rule-set>—Apply an MSN rule set for transactions.
- <pop3-rule-set>—Apply a POP3 rule set for transactions.
- <rtsp-rule-set>—Apply an FTP rule set for transactions.
- <sip-rule-set>—Apply an FTP rule set for transactions.
- <smtp-rule-set>—Apply an SMTP rule set for transactions.
- <tftp-rule-set>—Apply an TFTP rule set for transactions.

**<protocol-version> (configuration/system/services/ssh)**

---

**Usage** <configuration>  
    <system>  
        <services>  
            <ssh>  
                **<protocol-version>**  
                    <name>name</name>   <!-- identifier -->  
                **</protocol-version>**  
            </ssh>  
        </services>  
    </system>  
</configuration>

**Description** Specify ssh protocol versions supported.

**Contents** <name>—Specify ssh protocol versions supported.

- v1—Version 1 ssh protocol.
- v2—Version 2 ssh protocol.

**<protocols> (configuration)**

---

**Usage** <configuration>  
     **<protocols>**  
         <l2iw>...</l2iw>  
         <igmp>...</igmp>  
         <mld>...</mld>  
         <router-discovery>...</router-discovery>  
         <router-advertisement>...</router-advertisement>  
         <sap>...</sap>  
         <rsvp>...</rsvp>  
         <mpls>...</mpls>  
         <bgp>...</bgp>  
         <dvmrp>...</dvmrp>  
         <isis>...</isis>  
         <esis>...</esis>  
         <msdp>...</msdp>  
         <ospf>...</ospf>  
         <ospf3>...</ospf3>  
         <ldp>...</ldp>  
         <pim>...</pim>  
         <rip>...</rip>  
         <ripng>...</ripng>  
         <connections>...</connections>  
         <vrrp>...</vrrp>  
         <l2circuit>...</l2circuit>  
         <link-management>...</link-management>  
         <pgm>...</pgm>  
         <bfd>...</bfd>  
         <ilmi>...</ilmi>  
         <lacp>...</lacp>  
         <oam>...</oam>  
         <neighbor-discovery>...</neighbor-discovery>  
         <igmp-host>...</igmp-host>  
         <mld-host>...</mld-host>  
         <l2-learning>...</l2-learning>  
         <ppp>...</ppp>  
         <layer2-control>...</layer2-control>  
         <rstp>...</rstp>  
         <mstp>...</mstp>  
         <vstp>...</vstp>  
         <dot1x>...</dot1x>  
     **</protocols>**  
 </configuration>

**Description** Routing protocol configuration.

**Contents** <bfd>—Bidirectional Forwarding Detection (BFD) options.

<bgp>—BGP options.

<connections>—Circuit cross-connect configuration.

<dot1x>—802.1X options.

<dvmrp>—DVMRP options.

<esis>—End system-intermediate system options.

<igmp>—IGMP options.

<igmp-host>—IGMP host options.

<ilmi>—Interim Local Management Interface Protocol configuration.

<isis>—IS-IS options.

<l2-learning>—Layer 2 forwarding configuration.

<l2circuit>—Configuration for Layer 2 circuits over MPLS.

<l2iw>—Configuration for Layer 2 interworking.

<lacp>—Link Aggregation Control Protocol configuration.

<layer2-control>—Global options for layer 2 protocols.

<ldp>—LDP options.

<link-management>—LMP options.

<mld>—MLD options.

<mld-host>—MLD host options.

<mpls>—Multiprotocol Label Switching options.

<msdp>—MSDP configuration.

<mstp>—Multiple Spanning Tree Protocol options.

<neighbor-discovery>—No documentation is available yet.

<oam>—Operation, Administration, and Management configuration.

<ospf>—OSPF configuration.

<ospf3>—OSPFv3 configuration.

<pgm>—PGM options.

<pim>—PIM configuration.

<ppp>—Configure PPP process.

<rip>—RIP options.

<ripng>—RIPng options.

<router-advertisement>—IPv6 router advertisement options.

- <router-discovery>—ICMP router discovery options.
- <rstp>—Rapid Spanning Tree Protocol options.
- <rsvp>—RSVP options.
- <sap>—Session Advertisement Protocol options.
- <vrrp>—VRRP options.
- <vstp>—VLAN Spanning Tree Protocol options.

**<protocols> (configuration/bridge-domains/domain)**

---

<b>Usage</b>	<code>&lt;configuration&gt;</code> <code>&lt;bridge-domains&gt;</code> <code>&lt;domain&gt;</code> <b>&lt;protocols&gt;</b> <code>&lt;igmp-snooping&gt;...&lt;/igmp-snooping&gt;</code> <b>&lt;/protocols&gt;</b> <code>&lt;/domain&gt;</code> <code>&lt;/bridge-domains&gt;</code> <code>&lt;/configuration&gt;</code>
<b>Description</b>	No documentation is available yet.
<b>Contents</b>	<code>&lt;igmp-snooping&gt;</code> —IGMP Snooping Configuration.

**<protocols> (configuration/dynamic-profiles)**

---

<b>Usage</b>	<code>&lt;configuration&gt;</code> <code>&lt;dynamic-profiles&gt;</code> <b>&lt;protocols&gt;</b> <code>&lt;igmp&gt;...&lt;/igmp&gt;</code> <b>&lt;/protocols&gt;</b> <code>&lt;/dynamic-profiles&gt;</code> <code>&lt;/configuration&gt;</code>
<b>Description</b>	Routing protocol configuration.
<b>Contents</b>	<code>&lt;igmp&gt;</code> —IGMP options.

## **<protocols> (configuration/dynamic-profiles/interfaces/ interface/unit/family/tcc)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <unit>  
           <family>  
           <tcc>  
             **<protocols>**  
               <name>*name*</name>   <!-- identifier -->  
             **</protocols>**  
           </tcc>  
           </family>  
           </unit>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description**   Protocols supported on TCC interface.

**Contents**   <name>—Protocols supported on TCC interface.

- inet—IP version 4.
- iso—International Organization for Standardization.
- mpls—Multiprotocol Label Switching.



**<protocols> (configuration/interfaces/interface/unit/family/tcc)**

---

**Usage**   <configuration>  
           <interfaces>  
           <interface>  
           <unit>  
           <family>  
           <tcc>  
               **<protocols>**  
                   <name>*name*</name>   <!-- identifier -->  
               **</protocols>**  
           </tcc>  
           </family>  
           </unit>  
           </interface>  
           </interfaces>  
         </configuration>

**Description**   Protocols supported on TCC interface.

**Contents**   <name>—Protocols supported on TCC interface.

- inet—IP version 4.
- iso—International Organization for Standardization.
- mpls—Multiprotocol Label Switching.

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

---

**Usage** <configuration>  
           <logical-systems>  
             **<protocols>**  
               <l2iw>...</l2iw>  
               <igmp>...</igmp>  
               <mld>...</mld>  
               <router-discovery>...</router-discovery>  
               <router-advertisement>...</router-advertisement>  
               <sap>...</sap>  
               <rsvp>...</rsvp>  
               <mpls>...</mpls>  
               <bgp>...</bgp>  
               <dvmrp>...</dvmrp>  
               <isis>...</isis>  
               <esis>...</esis>  
               <msdp>...</msdp>  
               <ospf>...</ospf>  
               <ospf3>...</ospf3>  
               <ldp>...</ldp>  
               <pim>...</pim>  
               <rip>...</rip>  
               <ripng>...</ripng>  
               <connections>...</connections>  
               <vrrp>...</vrrp>  
               <l2circuit>...</l2circuit>  
               <link-management>...</link-management>  
               <pgm>...</pgm>  
               <bfd>...</bfd>  
               <ilmi>...</ilmi>  
               <lacp>...</lacp>  
               <oam>...</oam>  
               <neighbor-discovery>...</neighbor-discovery>  
               <igmp-host>...</igmp-host>  
               <mld-host>...</mld-host>  
               <l2-learning>...</l2-learning>  
               <ppp>...</ppp>  
               <layer2-control>...</layer2-control>  
               <rstp>...</rstp>  
               <mstp>...</mstp>  
               <vstp>...</vstp>  
               <dot1x>...</dot1x>  
             **</protocols>**  
           </logical-systems>  
         </configuration>

**Description** Routing protocol configuration.

**Contents** <bfd>—Bidirectional Forwarding Detection (BFD) options.

<bgp>—BGP options.

<connections>—Circuit cross-connect configuration.

<dot1x>—802.1X options.

<dvmrp>—DVMRP options.

<esis>—End system-intermediate system options.

<igmp>—IGMP options.

<igmp-host>—IGMP host options.

<ilmi>—Interim Local Management Interface Protocol configuration.

<isis>—IS-IS options.

<l2-learning>—Layer 2 forwarding configuration.

<l2circuit>—Configuration for Layer 2 circuits over MPLS.

<l2iw>—Configuration for Layer 2 interworking.

<lacp>—Link Aggregation Control Protocol configuration.

<layer2-control>—Global options for layer 2 protocols.

<ldp>—LDP options.

<link-management>—LMP options.

<mld>—MLD options.

<mld-host>—MLD host options.

<mpls>—Multiprotocol Label Switching options.

<msdp>—MSDP configuration.

<mstp>—Multiple Spanning Tree Protocol options.

<neighbor-discovery>—No documentation is available yet.

<oam>—Operation, Administration, and Management configuration.

<ospf>—OSPF configuration.

<ospf3>—OSPFv3 configuration.

<pgm>—PGM options.

<pim>—PIM configuration.

<ppp>—Configure PPP process.

<rip>—RIP options.

<ripng>—RIPng options.

<router-advertisement>—IPv6 router advertisement options.

<router-discovery>—ICMP router discovery options.

<rstp>—Rapid Spanning Tree Protocol options.

<rsvp>—RSVP options.

<sap>—Session Advertisement Protocol options.

<vrrp>—VRRP options.

<vstp>—VLAN Spanning Tree Protocol options.

## **<protocols> (configuration/logical-systems/interfaces/interface/unit/family/tcc)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <interfaces>
      <interface>
        <unit>
          <family>
            <tcc>
              <protocols>
                <name>name</name>    <!-- identifier -->
              </protocols>
            </tcc>
          </family>
        </unit>
      </interface>
    </interfaces>
  </logical-systems>
</configuration>

```

**Description** Protocols supported on TCC interface.

**Contents** <name>—Protocols supported on TCC interface.

- inet—IP version 4.
- iso—International Organization for Standardization.
- mpls—Multiprotocol Label Switching.

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

---

**Usage** <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
             **<protocols>**  
               <bgp>...</bgp>  
               <ospf>...</ospf>  
               <ospf3>...</ospf3>  
               <rip>...</rip>  
               <ripng>...</ripng>  
               <isis>...</isis>  
               <esis>...</esis>  
               <l2vpn>...</l2vpn>  
               <vpls>...</vpls>  
               <pim>...</pim>  
               <ldp>...</ldp>  
               <router-discovery>...</router-discovery>  
               <msdp>...</msdp>  
               <mvpn>...</mvpn>  
               <igmp-snooping>...</igmp-snooping>  
               <rstp>...</rstp>  
               <mstp>...</mstp>  
               <vstp>...</vstp>  
             **</protocols>**  
           </instance>  
         </routing-instances>  
       </logical-systems>  
     </configuration>

**Description** Routing protocol configuration.

**Contents** <bgp>—BGP options.  
               <esis>—ES-IS configuration.  
               <igmp-snooping>—IGMP snooping configuration.  
               <isis>—IS-IS configuration.  
               <l2vpn>—Layer 2 VPN configuration.  
               <ldp>—LDP configuration.  
               <msdp>—MSDP configuration.  
               <mstp>—MSTP configuration.  
               <mvpn>—BGP-MVPN configuration.  
               <ospf>—OSPF configuration.  
               <ospf3>—OSPF3 configuration.

<pim>—PIM configuration.

<rip>—RIP options.

<ripng>—RIPng options.

<router-discovery>—ICMP router discovery options.

<rstp>—RSTP configuration.

<vpls>—VPLS configuration.

<vstp>—VSTP configuration.

## **<protocols> (configuration/logical-systems/routing-instances/instance/bridge-domains/domain)**

---

**Usage**    <configuration>  
              <logical-systems>  
              <routing-instances>  
              <instance>  
              <bridge-domains>  
              <domain>  
                 **<protocols>**  
                 <igmp-snooping>...</igmp-snooping>  
                 **</protocols>**  
              </domain>  
              </bridge-domains>  
              </instance>  
              </routing-instances>  
              </logical-systems>  
              </configuration>

**Description**    No documentation is available yet.

**Contents**    <igmp-snooping>—IGMP Snooping Configuration.

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

---

**Usage** <configuration>  
           <routing-instances>  
           <instance>  
             **<protocols>**  
               <bgp>...</bgp>  
               <ospf>...</ospf>  
               <ospf3>...</ospf3>  
               <rip>...</rip>  
               <ripng>...</ripng>  
               <isis>...</isis>  
               <esis>...</esis>  
               <l2vpn>...</l2vpn>  
               <vpls>...</vpls>  
               <pim>...</pim>  
               <ldp>...</ldp>  
               <router-discovery>...</router-discovery>  
               <msdp>...</msdp>  
               <mvpn>...</mvpn>  
               <igmp-snooping>...</igmp-snooping>  
               <rstp>...</rstp>  
               <mstp>...</mstp>  
               <vstp>...</vstp>  
             **</protocols>**  
           </instance>  
         </routing-instances>  
       </configuration>

**Description** Routing protocol configuration.

**Contents** <bgp>—BGP options.

<esis>—ES-IS configuration.

<igmp-snooping>—IGMP snooping configuration.

<isis>—IS-IS configuration.

<l2vpn>—Layer 2 VPN configuration.

<ldp>—LDP configuration.

<msdp>—MSDP configuration.

<mstp>—MSTP configuration.

<mvpn>—BGP-MVPN configuration.

<ospf>—OSPF configuration.

<ospf3>—OSPF3 configuration.

<pim>—PIM configuration.

<rip>—RIP options.

<ripng>—RIPng options.

<router-discovery>—ICMP router discovery options.

<rstp>—RSTP configuration.

<vpls>—VPLS configuration.

<vstp>—VSTP configuration.

## **<protocols> (configuration/routing-instances/instance/ bridge-domains/domain)**

---

**Usage**    <configuration>  
            <routing-instances>  
            <instance>  
            <bridge-domains>  
            <domain>  
            **<protocols>**  
            <igmp-snooping>...</igmp-snooping>  
            **</protocols>**  
            </domain>  
            </bridge-domains>  
            </instance>  
            </routing-instances>  
            </configuration>

**Description**    No documentation is available yet.

**Contents**       <igmp-snooping>—IGMP Snooping Configuration.



**<provider-tunnel> (configuration/logical-systems/  
routing-instances/instance)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-instances&gt;       &lt;instance&gt;         &lt;provider-tunnel&gt;           &lt;rsvp-te&gt;...&lt;/rsvp-te&gt;           &lt;pim-asm&gt;...&lt;/pim-asm&gt;           &lt;selective&gt;...&lt;/selective&gt;         &lt;/provider-tunnel&gt;       &lt;/instance&gt;     &lt;/routing-instances&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Provider tunnel configuration.
<b>Contents</b>	<p>&lt;pim-asm&gt;—PIM-SM provider tunnel.</p> <p>&lt;rsvp-te&gt;—RSVP-TE point-to-multipoint LSP for flooding.</p> <p>&lt;selective&gt;—Selective tunnels.</p>

**<provider-tunnel> (configuration/routing-instances/instance)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;provider-tunnel&gt;         &lt;rsvp-te&gt;...&lt;/rsvp-te&gt;         &lt;pim-asm&gt;...&lt;/pim-asm&gt;         &lt;selective&gt;...&lt;/selective&gt;       &lt;/provider-tunnel&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Provider tunnel configuration.
<b>Contents</b>	<p>&lt;pim-asm&gt;—PIM-SM provider tunnel.</p> <p>&lt;rsvp-te&gt;—RSVP-TE point-to-multipoint LSP for flooding.</p> <p>&lt;selective&gt;—Selective tunnels.</p>

**<providers> (configuration/system/extensions)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;system&gt;     &lt;extensions&gt;       &lt;providers&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;       &lt;/providers&gt;     &lt;/extensions&gt;   &lt;/system&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	No documentation is available yet.
<b>Contents</b>	<name>—No documentation is available yet.

**<proxy> (configuration/bridge-domains/domain/protocols/igmp-snooping)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;bridge-domains&gt;     &lt;domain&gt;       &lt;protocols&gt;         &lt;igmp-snooping&gt;           &lt;proxy&gt;             &lt;source-address&gt;source-address&lt;/source-address&gt;           &lt;/proxy&gt;         &lt;/igmp-snooping&gt;       &lt;/protocols&gt;     &lt;/domain&gt;   &lt;/bridge-domains&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Enable proxy mode.
<b>Contents</b>	<source-address>—Source IP address to use for proxy.

## **<proxy> (configuration/bridge-domains/domain/protocols/igmp-snooping/vlan)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;bridge-domains&gt;     &lt;domain&gt;       &lt;protocols&gt;         &lt;igmp-snooping&gt;           &lt;vlan&gt;             <b>&lt;proxy&gt;</b>               &lt;source-address&gt;source-address&lt;/source-address&gt;             <b>&lt;/proxy&gt;</b>           &lt;/vlan&gt;         &lt;/igmp-snooping&gt;       &lt;/protocols&gt;     &lt;/domain&gt;   &lt;/bridge-domains&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Enable proxy mode.
<b>Contents</b>	<source-address>—Source IP address to use for proxy.

## **<proxy> (configuration/dynamic-profiles/interfaces/interface/unit/family/tcc)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;dynamic-profiles&gt;     &lt;interfaces&gt;       &lt;interface&gt;         &lt;unit&gt;           &lt;family&gt;             &lt;tcc&gt;               <b>&lt;proxy&gt;</b>                 &lt;inet-address&gt;inet-address&lt;/inet-address&gt;               <b>&lt;/proxy&gt;</b>             &lt;/tcc&gt;           &lt;/family&gt;         &lt;/unit&gt;       &lt;/interface&gt;     &lt;/interfaces&gt;   &lt;/dynamic-profiles&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	No documentation is available yet.
<b>Contents</b>	<inet-address>—Remote host address on non-Ethernet side of Ethernet TCC.

**<proxy> (configuration/interfaces/interface/unit/family/tcc)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <unit>  
                 <family>  
                   <tcc>  
                     **<proxy>**  
                       <inet-address>*inet-address*</inet-address>  
                     **</proxy>**  
                   </tcc>  
                 </family>  
               </unit>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** No documentation is available yet.

**Contents** <inet-address>—Remote host address on non-Ethernet side of Ethernet TCC.

**<proxy> (configuration/logical-systems/interfaces/interface/unit/family/tcc)**

---

**Usage** <configuration>  
           <logical-systems>  
             <interfaces>  
               <interface>  
                 <unit>  
                   <family>  
                     <tcc>  
                       **<proxy>**  
                       <inet-address>*inet-address*</inet-address>  
                       **</proxy>**  
                     </tcc>  
                   </family>  
                 </unit>  
               </interface>  
             </interfaces>  
           </logical-systems>  
         </configuration>

**Description** No documentation is available yet.

**Contents** <inet-address>—Remote host address on non-Ethernet side of Ethernet TCC.

## **<proxy> (configuration/logical-systems/routing-instances/instance/bridge-domains/domain/protocols/igmp-snooping)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <bridge-domains>  
           <domain>  
           <protocols>  
           <igmp-snooping>  
           **<proxy>**  
           <source-address>source-address</source-address>  
           **</proxy>**  
           </igmp-snooping>  
           </protocols>  
           </domain>  
           </bridge-domains>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Enable proxy mode.

**Contents**   <source-address>—Source IP address to use for proxy.

## **<proxy> (configuration/logical-systems/routing-instances/instance/bridge-domains/domain/protocols/igmp-snooping/vlan)**

---

**Usage** <configuration>  
 <logical-systems>  
 <routing-instances>  
 <instance>  
 <bridge-domains>  
 <domain>  
 <protocols>  
 <igmp-snooping>  
 <vlan>  
**<proxy>**  
 <source-address>source-address</source-address>  
**</proxy>**  
 </vlan>  
 </igmp-snooping>  
 </protocols>  
 </domain>  
 </bridge-domains>  
 </instance>  
 </routing-instances>  
 </logical-systems>  
 </configuration>

**Description** Enable proxy mode.

**Contents** <source-address>—Source IP address to use for proxy.

## **<proxy> (configuration/logical-systems/routing-instances/instance/protocols/igmp-snooping)**

---

**Usage** <configuration>  
 <logical-systems>  
 <routing-instances>  
 <instance>  
 <protocols>  
 <igmp-snooping>  
**<proxy>**  
 <source-address>source-address</source-address>  
**</proxy>**  
 </igmp-snooping>  
 </protocols>  
 </instance>  
 </routing-instances>  
 </logical-systems>  
 </configuration>

**Description** Enable proxy mode.

**Contents** <source-address>—Source IP address to use for proxy.

## **<proxy> (configuration/logical-systems/routing-instances/instance/protocols/igmp-snooping/vlan)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <protocols>  
                     <igmp-snooping>  
                         <vlan>  
                             **<proxy>**  
                                 <source-address>source-address</source-address>  
                             **</proxy>**  
                         </vlan>  
                     </igmp-snooping>  
                 </protocols>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** Enable proxy mode.

**Contents** <source-address>—Source IP address to use for proxy.

## **<proxy> (configuration/routing-instances/instance/bridge-domains/domain/protocols/igmp-snooping)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <bridge-domains>  
                 <domain>  
                     <protocols>  
                         <igmp-snooping>  
                             **<proxy>**  
                                 <source-address>source-address</source-address>  
                             **</proxy>**  
                         </igmp-snooping>  
                     </protocols>  
                 </domain>  
             </bridge-domains>  
         </instance>  
     </routing-instances>  
</configuration>

**Description** Enable proxy mode.

**Contents** <source-address>—Source IP address to use for proxy.

## **<proxy> (configuration/routing-instances/instance/bridge-domains/domain/protocols/igmp-snooping/vlan)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <bridge-domains>  
                 <domain>  
                     <protocols>  
                         <igmp-snooping>  
                             <vlan>  
                                 **<proxy>**  
                                     <source-address>source-address</source-address>  
                                 **</proxy>**  
                             </vlan>  
                         </igmp-snooping>  
                     </protocols>  
                 </domain>  
             </bridge-domains>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Enable proxy mode.

**Contents** <source-address>—Source IP address to use for proxy.

## **<proxy> (configuration/routing-instances/instance/protocols/igmp-snooping)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <protocols>  
                 <igmp-snooping>  
                     **<proxy>**  
                         <source-address>source-address</source-address>  
                     **</proxy>**  
                 </igmp-snooping>  
             </protocols>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Enable proxy mode.

**Contents** <source-address>—Source IP address to use for proxy.



## **<proxy> (configuration/routing-instances/instance/protocols/igmp-snooping/vlan)**

---

**Usage**   <configuration>  
               <routing-instances>  
                   <instance>  
                       <protocols>  
                         <igmp-snooping>  
                           <vlan>  
                               **<proxy>**  
                                 <source-address>source-address</source-address>  
                               **</proxy>**  
                           </vlan>  
                         </igmp-snooping>  
                       </protocols>  
                   </instance>  
               </routing-instances>  
           </configuration>

**Description**   Enable proxy mode.

**Contents**   <source-address>—Source IP address to use for proxy.

