

## Chapter 18

# Tag Elements Beginning with R

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

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



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

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**<radius> (configuration/access/profile)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;access&gt;     &lt;profile&gt;       &lt;radius&gt;         &lt;authentication-server&gt;...&lt;/authentication-server&gt;         &lt;accounting-server&gt;...&lt;/accounting-server&gt;         &lt;options&gt;...&lt;/options&gt;         &lt;attributes&gt;...&lt;/attributes&gt;       &lt;/radius&gt;     &lt;/profile&gt;   &lt;/access&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Set of RADIUS configurations.
<b>Contents</b>	<p><b>&lt;accounting-server&gt;</b>—The accounting server list to use in the specified order to send accounting messages.</p> <p><b>&lt;attributes&gt;</b>—Specifies how RADIUS attributes should be handled.</p> <p><b>&lt;authentication-server&gt;</b>—The authentication server list to use in the specified order to send authentication messages.</p> <p><b>&lt;options&gt;</b>—Specifies the RADIUS options.</p>

**<radius> (configuration/dynamic-profiles/variables)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;dynamic-profiles&gt;     &lt;variables&gt;       &lt;radius&gt;         &lt;vendor-id&gt;...&lt;/vendor-id&gt;       &lt;/radius&gt;     &lt;/variables&gt;   &lt;/dynamic-profiles&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	No documentation is available yet.
<b>Contents</b>	<b>&lt;vendor-id&gt;</b> —No documentation is available yet.

**<radius> (configuration/services/ggsn)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;radius&gt;         &lt;server&gt;...&lt;/server&gt;       &lt;/radius&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	RADIUS settings.
<b>Contents</b>	<server>—Shared RADIUS server configuration.

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;apn&gt;         &lt;radius&gt;           &lt;retry-method&gt;retry-method-choice&lt;/retry-method&gt;           &lt;load-balancing/&gt;           &lt;authentication&gt;...&lt;/authentication&gt;           &lt;accounting&gt;...&lt;/accounting&gt;           &lt;accept-disconnect/&gt;         &lt;/radius&gt;       &lt;/apn&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	RADIUS configuration.
<b>Contents</b>	<p>&lt;accept-disconnect&gt;—Perform PDP context deletion on receiving a disconnect request from a RADIUS server.</p> <p>&lt;accounting&gt;—RADIUS accounting settings.</p> <p>&lt;authentication&gt;—RADIUS authentication settings.</p> <p>&lt;load-balancing&gt;—Use load balancing to distribute requests.</p> <p>&lt;retry-method&gt;—RADIUS retry scheme settings.</p> <ul style="list-style-type: none"> <li>■ multiple-server—Multiple server retry scheme.</li> <li>■ single-server—Single server retry scheme.</li> </ul>

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

---

**Usage**

```

<configuration>
  <services>
    <ggsn>
      <apn>
        <pdp-context>
          <session-control>
            <idle-timeout>
              <radius>
                <use-timeout/>
                <no-supervision/>
                <measurement-type>measurement-type-choice</measurement-type>
              </radius>
            </idle-timeout>
          </session-control>
        </pdp-context>
      </apn>
    </ggsn>
  </services>
</configuration>

```

**Description** Timeout settings based on RADIUS.

**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.

<no-supervision>—Don't allow RADIUS-based idle supervision.

<use-timeout>—Use idle timeout received from RADIUS.

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

---

**Usage**   <configuration>  
               <services>  
                   <ggsn>  
                     <apn>  
                       <pdp-context>  
                         <session-control>  
                           <session-timeout>  
                             **<radius>**  
                               <use-timeout/>  
                               <no-supervision/>  
                               <measurement-type>*measurement-type-choice*</measurement-type>  
                             **</radius>**  
                           </session-timeout>  
                         </session-control>  
                       </pdp-context>  
                     </apn>  
                   </ggsn>  
               </services>  
             </configuration>

**Description**   Timeout settings based on RADIUS.

**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.

<no-supervision>—Don't allow RADIUS-based session supervision.

<use-timeout>—Use session timeout received from RADIUS.

## **<radius> (configuration/services/ggsn/pdp-context/session-control/idle-timeout)**

---

**Usage**   <configuration>  
               <services>  
                   <ggsn>  
                     <pdp-context>  
                       <session-control>  
                         <idle-timeout>  
                           **<radius>**  
                             <use-timeout/>  
                             <measurement-type>*measurement-type-choice*</measurement-type>  
                           **</radius>**  
                         </idle-timeout>  
                       </session-control>  
                     </pdp-context>  
                   </ggsn>  
               </services>  
             </configuration>

**Description**   Timeout settings based on RADIUS.

**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.

<use-timeout>—Use idle timeout received from RADIUS.

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

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <pdp-context>  
                 <session-control>  
                     <session-timeout>  
                         **<radius>**  
                             <use-timeout/>  
                             <measurement-type>*measurement-type-choice*</measurement-type>  
                         **</radius>**  
                     </session-timeout>  
                 </session-control>  
             </pdp-context>  
         </ggsn>  
     </services>  
 </configuration>

**Description** Timeout settings based on RADIUS.

**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.

<use-timeout>—Use session timeout received from RADIUS.

## **<radius> (configuration/system/accounting/destination)**

---

**Usage** <configuration>  
     <system>  
         <accounting>  
             <destination>  
                 **<radius>**  
                     <server>...</server>  
                 **</radius>**  
             </destination>  
         </accounting>  
     </system>  
 </configuration>

**Description** Configure RADIUS accounting.

**Contents** <server>—RADIUS accounting server configuration.

## **<radius-assisted-apn-selection> (configuration/services/ggsn/apn/access-restrictions)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <apn>  
           <access-restrictions>  
             **<radius-assisted-apn-selection>**  
               <default>default</default>  
             **</radius-assisted-apn-selection>**  
           </access-restrictions>  
           </apn>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Enable RADIUS assisted APN selection.

**Contents**    <default>—Default APN name for radius assisted APN selection.

## **<radius-assisted-apn-selection> (configuration/services/ggsn/logical-apn/access-restrictions)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <logical-apn>  
           <access-restrictions>  
             **<radius-assisted-apn-selection>**  
               <default>default</default>  
             **</radius-assisted-apn-selection>**  
           </access-restrictions>  
           </logical-apn>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Enable RADIUS assisted APN selection.

**Contents**    <default>—Default APN name for radius assisted APN selection.



**<radius-disconnect> (configuration/access)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;access&gt;     &lt;radius-disconnect&gt;       &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;       &lt;secret&gt;secret&lt;/secret&gt;     &lt;/radius-disconnect&gt;   &lt;/access&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	RADIUS-initiated disconnect configuration for dynamic termination of user sessions by external entity.
<b>Contents</b>	<p>&lt;name&gt;—Address of RADIUS client from which to accept disconnect requests.</p> <p>&lt;secret&gt;—Secret with which to authenticate RADIUS client sending disconnect requests.</p>

**<radius-flow-tap> (configuration/services)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;radius-flow-tap&gt;       &lt;forwarding-class&gt;forwarding-class&lt;/forwarding-class&gt;       &lt;source-ipv4-address&gt;source-ipv4-address&lt;/source-ipv4-address&gt;       &lt;interfaces&gt;...&lt;/interfaces&gt;     &lt;/radius-flow-tap&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Configure radius triggered flow-tap parameters.
<b>Contents</b>	<p>&lt;forwarding-class&gt;—Forwarding class assigned to intercepted packets.</p> <p>&lt;interfaces&gt;—Tunnel Interfaces.</p> <p>&lt;source-ipv4-address&gt;—IP Address to use as source address in IPv4 header appended to intercepted packets.</p>

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;access&gt;     &lt;radius-options&gt;       &lt;revert-interval&gt;seconds&lt;/revert-interval&gt;     &lt;/radius-options&gt;   &lt;/access&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	RADIUS options.
<b>Contents</b>	<revert-interval>—Time after which to revert to primary server.

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;access&gt;     &lt;profile&gt;       &lt;radius-options&gt;         &lt;revert-interval&gt;seconds&lt;/revert-interval&gt;       &lt;/radius-options&gt;     &lt;/profile&gt;   &lt;/access&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	RADIUS options.
<b>Contents</b>	<revert-interval>—Time after which to revert to primary server.

**<radius-options> (configuration/system)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;system&gt;     &lt;radius-options&gt;       &lt;password-protocol&gt;password-protocol-choice&lt;/password-protocol&gt;       &lt;attributes&gt;...&lt;/attributes&gt;     &lt;/radius-options&gt;   &lt;/system&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	RADIUS options.
<b>Contents</b>	<p>&lt;attributes&gt;—Configure RADIUS attributes.</p> <p>&lt;password-protocol&gt;—Specify password protocol used in RADIUS packets.</p> <ul style="list-style-type: none"> <li>■ mschap-v2—MSCHAP version 2.</li> </ul>

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

---

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

**Description**   RADIUS server configuration.

**Contents**   <accounting-port>—Port number to send RADIUS accounting messages, l2tp only.

              <name>—RADIUS server address.

              <port>—RADIUS server authentication port number.

              <retry>—Retry attempts.

              <routing-instance>—Use specified routing instance.

              <secret>—Shared secret with the RADIUS server.

              <source-address>—Use specified address as source address.

              <timeout>—Request timeout period.

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

---

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

**Description** RADIUS server configuration.

**Contents** <accounting-port>—Port number to which to send RADIUS accounting messages (L2TP only).

<name>—RADIUS server address.

<port>—RADIUS server authentication port number.

<retry>—Retry attempts.

<routing-instance>—Use specified routing instance.

<secret>—Shared secret with the RADIUS server.

<source-address>—Use specified address as source address.

<timeout>—Request timeout period.

**<radius-server> (configuration/system)**

---

**Usage**   <configuration>  
           <system>  
             **<radius-server>**  
               <name>*name*</name>   <!-- identifier -->  
               <port>*port*</port>  
               <accounting-port>*accounting-port*</accounting-port>  
               <secret>*secret*</secret>   <!-- mandatory -->  
               <timeout>*seconds*</timeout>  
               <retry>*retry*</retry>  
               <source-address>*source-address*</source-address>  
             **</radius-server>**  
           </system>  
         </configuration>

**Description**   RADIUS server configuration.

**Contents**   <accounting-port>—RADIUS server accounting port number.

          <name>—RADIUS server address.

          <port>—RADIUS server authentication port number.

          <retry>—Retry attempts.

          <secret>—Shared secret with the RADIUS server.

          <source-address>—Use specified address as source address.

          <timeout>—Request timeout period.

## **<range> (configuration/access/address-assignment/pool/family/inet)**

---

**Usage**   <configuration>  
           <access>  
           <address-assignment>  
           <pool>  
           <family>  
           <inet>  
             **<range>**  
               <name>*name*</name>   <!-- identifier -->  
               <low>*low*</low>   <!-- mandatory -->  
               <high>*high*</high>   <!-- mandatory -->  
             **</range>**  
           </inet>  
           </family>  
           </pool>  
           </address-assignment>  
           </access>  
         </configuration>

**Description**   Address range.

**Contents**   <high>—Upper limit of address range.

              <low>—Lower limit of address range.

              <name>—Range name.

## **<range> (configuration/logical-systems/access/address-assignment/pool/family/inet)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <access>  
           <address-assignment>  
           <pool>  
           <family>  
           <inet>  
             **<range>**  
               <name>*name*</name>   <!-- identifier -->  
               <low>*low*</low>   <!-- mandatory -->  
               <high>*high*</high>   <!-- mandatory -->  
             **</range>**  
           </inet>  
           </family>  
           </pool>  
           </address-assignment>  
           </access>  
           </logical-systems>  
           </configuration>

**Description**   Address range.

**Contents**   <high>—Upper limit of address range.

              <low>—Lower limit of address range.

              <name>—Range name.

## **<range> (configuration/logical-systems/routing-instances/instance/access/address-assignment/pool/family/inet)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <access>
          <address-assignment>
            <pool>
              <family>
                <inet>
                  <range>
                    <name>name</name>    <!-- identifier -->
                    <low>low</low>      <!-- mandatory -->
                    <high>high</high>    <!-- mandatory -->
                  </range>
                </inet>
              </family>
            </pool>
          </address-assignment>
        </access>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Address range.

**Contents** <high>—Upper limit of address range.

<low>—Lower limit of address range.

<name>—Range name.



## **<range> (configuration/routing-instances/instance/access/address-assignment/pool/family/inet)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <access>  
           <address-assignment>  
           <pool>  
           <family>  
           <inet>  
             **<range>**  
               <name>name</name>   <!-- identifier -->  
               <low>low</low>   <!-- mandatory -->  
               <high>high</high>   <!-- mandatory -->  
             **</range>**  
           </inet>  
           </family>  
           </pool>  
           </address-assignment>  
           </access>  
           </instance>  
           </routing-instances>  
         </configuration>

**Description**   Address range.

**Contents**   <high>—Upper limit of address range.

          <low>—Lower limit of address range.

          <name>—Range name.

**<range> (configuration/services/nat/pool/port)**

---

**Usage**   <configuration>  
          <services>  
          <nat>  
          <pool>  
          <port>  
            **<range>**  
              <low>*low*</low>   <!-- mandatory -->  
              <high>*high*</high>   <!-- mandatory -->  
              <random-allocation/>  
            **</range>**  
          </port>  
        </pool>  
      </nat>  
    </services>  
  </configuration>

**Description**   Range of ports.

**Contents**   <high>—Upper limit of port range.

              <low>—Lower limit of port range.

              <random-allocation>—Allocate ports randomly.

**<rat-type> (configuration/services/ggsn/apn/roaming/default)**

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               <apn>  
                 <roaming>  
                   <default>  
                     **<rat-type>**  
                       <name>*name*</name>   <!-- identifier -->  
                       <roaming-class>*roaming-class*</roaming-class>   <!-- mandatory -->  
                     **</rat-type>**  
                   </default>  
                 </roaming>  
               </apn>  
             </ggsn>  
           </services>  
         </configuration>

**Description** Radio Access Type.

**Contents** <name>—Radio access type (RAT) identifier.

- **geran**—GSM/EDGE radio access network.
- **unknown**—Unknown or missing.
- **utran**—WCDMA/UMTS Terrestrial radio access network.
- **wlan**—Wireless local area network.

<roaming-class>—Roaming class.

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

---

**Usage**

```

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

```

**Description** Radio access type (RAT) global defaults.

**Contents** <name>—Radio access type (RAT) global defaults.

- **geran**—GSM/EDGE radio access network.
- **unknown**—Unknown or missing.
- **utran**—WCDMA/UMTS Terrestrial radio access network.
- **wlan**—Wireless local area network.

## **<rat-types> (configuration/services/ggsn/apn/sgsn/sgsn-class/sgsn-address)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <apn>  
                 <sgsn>  
                     <sgsn-class>  
                     <sgsn-address>  
                     **<rat-types>**  
                         <name>name</name>   <!-- identifier -->  
                     **</rat-types>**  
                     </sgsn-address>  
                 </sgsn-class>  
             </sgsn>  
         </apn>  
     </ggsn>  
 </services>  
</configuration>

**Description** Radio access type (RAT) global defaults.

**Contents** <name>—Radio access type (RAT) global defaults.

- geran—GSM/EDGE radio access network.
- unknown—Unknown or missing.
- utran—WCDMA/UMTS Terrestrial radio access network.
- wlan—Wireless local area network.

## **<rating-control> (configuration/services/ggsn/apn/service-based-charging)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <apn>  
                 <service-based-charging>  
                     **<rating-control>**  
                         <profile>...</profile>  
                     **</rating-control>**  
                 </service-based-charging>  
             </apn>  
         </ggsn>  
     </services>  
</configuration>

**Description** Rating control.

**Contents** <profile>—Rating control profile.

**<rating-group> (configuration/services/ggsn/rule-space)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;rule-space&gt;         &lt;rating-group&gt;           &lt;default&gt;...&lt;/default&gt;    &lt;!-- mandatory --&gt;           &lt;map&gt;...&lt;/map&gt;           &lt;not-allowed&gt;...&lt;/not-allowed&gt;         &lt;/rating-group&gt;       &lt;/rule-space&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Classification of service-identifiers to Rating Groups, and explicit barring of services.
<b>Contents</b>	<p>&lt;default&gt;—Default rating group.</p> <p>&lt;map&gt;—Map of service ids to rating groups.</p> <p>&lt;not-allowed&gt;—Access to rating group not allowed.</p>

**<rating-group> (configuration/services/ggsn/rule-space/time-based-charging/rating-group-cluster)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;rule-space&gt;         &lt;time-based-charging&gt;           &lt;rating-group-cluster&gt;             &lt;rating-group&gt;               &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;             &lt;/rating-group&gt;           &lt;/rating-group-cluster&gt;         &lt;/time-based-charging&gt;       &lt;/rule-space&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Rating group belonging to this cluster.
<b>Contents</b>	<name>—Rating group belonging to this cluster.

## **<rating-group-cluster> (configuration/services/ggsn/rule-space/time-based-charging)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;rule-space&gt;         &lt;time-based-charging&gt;           &lt;rating-group-cluster&gt;             &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;             &lt;measurement&gt;...&lt;/measurement&gt;             &lt;rating-group&gt;...&lt;/rating-group&gt;    &lt;!-- mandatory --&gt;           &lt;/rating-group-cluster&gt;         &lt;/time-based-charging&gt;       &lt;/rule-space&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Common time base definitions for clusters of rating groups.
<b>Contents</b>	<p>&lt;measurement&gt;—Default active time settings.</p> <p>&lt;name&gt;—Unique id for the rating-group cluster.</p> <p>&lt;rating-group&gt;—Rating group belonging to this cluster.</p>

## **<re-assembler> (configuration/security/idp/sensor-configuration)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;security&gt;     &lt;idp&gt;       &lt;sensor-configuration&gt;         &lt;re-assembler&gt;           &lt;ignore-memory-overflow/&gt;           &lt;ignore-reassembly-memory-overflow/&gt;           &lt;max-packet-mem&gt;max-packet-mem&lt;/max-packet-mem&gt;           &lt;max-flow-mem&gt;max-flow-mem&lt;/max-flow-mem&gt;         &lt;/re-assembler&gt;       &lt;/sensor-configuration&gt;     &lt;/idp&gt;   &lt;/security&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Re-assembler configuration.
<b>Contents</b>	<p>&lt;ignore-memory-overflow&gt;—Ignore memory overflow.</p> <p>&lt;ignore-reassembly-memory-overflow&gt;—Ignore packet reassembly memory overflow.</p> <p>&lt;max-flow-mem&gt;—Maximum flow memory.</p> <p>&lt;max-packet-mem&gt;—Maximum packet memory.</p>

## **<re-authorization-triggers> (configuration/services/ggsn/rule-space/quota-handling)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <rule-space>  
           <quota-handling>  
           **<re-authorization-triggers>**  
           <sgsn-address/>  
           <sgsn-plmn-id/>  
           <rat-type/>  
           <qos/>  
           **</re-authorization-triggers>**  
           </quota-handling>  
           </rule-space>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Default triggers for quota re-authorization.

**Contents**   <qos>—Trigger re-authorization if QoS has changed for the PDP context.

              <rat-type>—Trigger re-authorization if RAT has changed for the PDP context.

              <sgsn-address>—Trigger re-authorization if sgsn address has changed for the PDP context.

              <sgsn-plmn-id>—Trigger re-authorization if PLMN id has changed for the PDP context.



**<realm> (configuration/logical-systems/protocols/ospf3)**

**Usage** <configuration>  
 <logical-systems>  
 <protocols>  
 <ospf3>  
 <realm>  
 <name>name</name>   <!-- identifier -->  
 <disable/>  
 <traceoptions>...</traceoptions>  
 <topology>...</topology>  
 <spf-options>...</spf-options>  
 <prefix-export-limit>prefix-export-limit</prefix-export-limit>  
 <rib-group>rib-group</rib-group>  
 <overload>...</overload>  
 <graceful-restart>...</graceful-restart>  
 <traffic-engineering>...</traffic-engineering>  
 <route-type-community>route-type-community-choice  
     </route-type-community>  
 <domain-id>...</domain-id>  
 <domain-vpn-tag>domain-vpn-tag</domain-vpn-tag>  
 <preference>preference</preference>  
 <external-preference>external-preference</external-preference>  
 <export>...</export>  
 <import>...</import>  
 <reference-bandwidth>reference-bandwidth</reference-bandwidth>  
 <no-rfc-1583/>  
 <no-nssa-abr/>  
 <sham-link>...</sham-link>  
 <area>...</area>  
 </realm>  
 </ospf3>  
 </protocols>  
 </logical-systems>  
 </configuration>

**Description** OSPFv3 realm configuration.

**Contents** <area>—Configure an OSPF area.

<disable>—Disable OSPF.

<domain-id>—Configure domain ID.

<domain-vpn-tag>—Domain VPN tag for external LSA.

<export>—Export policy.

<external-preference>—Preference of external routes.

<graceful-restart>—Configure graceful restart attributes.

<import>—Import policy (for external routes or setting priority).

<name>—OSPFv3 realm name.

- `ipv4-multicast`—IPv4 multicast realm.
  - `ipv4-unicast`—IPv4 unicast realm.
  - `ipv6-multicast`—IPv6 multicast realm.
  - `ipv6-unicast`—IPv6 unicast realm.
- `<no-nssa-abr>`—Disable full NSSA functionality at ABR.
- `<no-rfc-1583>`—Disable RFC1583 compatibility.
- `<overload>`—Set the overload mode (repel transit traffic).
- `<preference>`—Preference of internal routes.
- `<prefix-export-limit>`—Maximum number of prefixes that can be exported.
- `<reference-bandwidth>`—Bandwidth for calculating metric defaults.
- `<rib-group>`—Routing table group for importing OSPF routes.
- `<route-type-community>`—Specify BGP extended community value to encode OSPF route type.
- `iana`—BGP extended community value used is 0x0306.
  - `vendor`—Vendor BGP extended community value used is 0x8000.
- `<sham-link>`—Configure parameters for sham links.
- `<spf-options>`—Configure options for SPF.
- `<topology>`—Topology parameters.
- `<traceoptions>`—Trace options for OSPF.
- `<traffic-engineering>`—Configure traffic engineering attributes.

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

---

**Usage** <configuration>  
 <logical-systems>  
 <routing-instances>  
 <instance>  
 <protocols>  
 <ospf3>  
**<realm>**  
 <name>*name*</name> <!-- identifier -->  
 <disable/>  
 <traceoptions>...</traceoptions>  
 <topology>...</topology>  
 <spf-options>...</spf-options>  
 <prefix-export-limit>*prefix-export-limit*</prefix-export-limit>  
 <rib-group>*rib-group*</rib-group>  
 <overload>...</overload>  
 <graceful-restart>...</graceful-restart>  
 <traffic-engineering>...</traffic-engineering>  
 <route-type-community>*route-type-community-choice*  
 </route-type-community>  
 <domain-id>...</domain-id>  
 <domain-vpn-tag>*domain-vpn-tag*</domain-vpn-tag>  
 <preference>*preference*</preference>  
 <external-preference>*external-preference*</external-preference>  
 <export>...</export>  
 <import>...</import>  
 <reference-bandwidth>*reference-bandwidth*</reference-bandwidth>  
 <no-rfc-1583/>  
 <no-nssa-abr/>  
 <sham-link>...</sham-link>  
 <area>...</area>  
**</realm>**  
 </ospf3>  
 </protocols>  
 </instance>  
 </routing-instances>  
 </logical-systems>  
 </configuration>

**Description** OSPFv3 realm configuration.

**Contents** <area>—Configure an OSPF area.

<disable>—Disable OSPF.

<domain-id>—Configure domain ID.

<domain-vpn-tag>—Domain VPN tag for external LSA.

<export>—Export policy.

<external-preference>—Preference of external routes.

<graceful-restart>—Configure graceful restart attributes.

<import>—Import policy (for external routes or setting priority).

<name>—OSPFv3 realm name.

- ipv4-multicast—IPv4 multicast realm.

- ipv4-unicast—IPv4 unicast realm.

- ipv6-multicast—IPv6 multicast realm.

- ipv6-unicast—IPv6 unicast realm.

<no-nssa-abr>—Disable full NSSA functionality at ABR.

<no-rfc-1583>—Disable RFC1583 compatibility.

<overload>—Set the overload mode (repel transit traffic).

<preference>—Preference of internal routes.

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

<reference-bandwidth>—Bandwidth for calculating metric defaults.

<rib-group>—Routing table group for importing OSPF routes.

<route-type-community>—Specify BGP extended community value to encode OSPF route type.

- iana—BGP extended community value used is 0x0306.

- vendor—Vendor BGP extended community value used is 0x8000.

<sham-link>—Configure parameters for sham links.

<spf-options>—Configure options for SPF.

<topology>—Topology parameters.

<traceoptions>—Trace options for OSPF.

<traffic-engineering>—Configure traffic engineering attributes.

**<realm> (configuration/protocols/ospf3)**

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;ospf3&gt;       &lt;realm&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;disable/&gt;         &lt;traceoptions&gt;...&lt;/traceoptions&gt;         &lt;topology&gt;...&lt;/topology&gt;         &lt;spf-options&gt;...&lt;/spf-options&gt;         &lt;prefix-export-limit&gt;prefix-export-limit&lt;/prefix-export-limit&gt;         &lt;rib-group&gt;rib-group&lt;/rib-group&gt;         &lt;overload&gt;...&lt;/overload&gt;         &lt;graceful-restart&gt;...&lt;/graceful-restart&gt;         &lt;traffic-engineering&gt;...&lt;/traffic-engineering&gt;         &lt;route-type-community&gt;route-type-community-choice&lt;/route-type-community&gt;         &lt;domain-id&gt;...&lt;/domain-id&gt;         &lt;domain-vpn-tag&gt;domain-vpn-tag&lt;/domain-vpn-tag&gt;         &lt;preference&gt;preference&lt;/preference&gt;         &lt;external-preference&gt;external-preference&lt;/external-preference&gt;         &lt;export&gt;...&lt;/export&gt;         &lt;import&gt;...&lt;/import&gt;         &lt;reference-bandwidth&gt;reference-bandwidth&lt;/reference-bandwidth&gt;         &lt;no-rfc-1583/&gt;         &lt;no-nssa-abr/&gt;         &lt;sham-link&gt;...&lt;/sham-link&gt;         &lt;area&gt;...&lt;/area&gt;       &lt;/realm&gt;     &lt;/ospf3&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	OSPFv3 realm configuration.
<b>Contents</b>	<p>&lt;area&gt;—Configure an OSPF area.</p> <p>&lt;disable&gt;—Disable OSPF.</p> <p>&lt;domain-id&gt;—Configure domain ID.</p> <p>&lt;domain-vpn-tag&gt;—Domain VPN tag for external LSA.</p> <p>&lt;export&gt;—Export policy.</p> <p>&lt;external-preference&gt;—Preference of external routes.</p> <p>&lt;graceful-restart&gt;—Configure graceful restart attributes.</p> <p>&lt;import&gt;—Import policy (for external routes or setting priority).</p> <p>&lt;name&gt;—OSPFv3 realm name.</p> <p>■ ipv4-multicast—IPv4 multicast realm.</p>

- `ipv4-unicast`—IPv4 unicast realm.
  - `ipv6-multicast`—IPv6 multicast realm.
  - `ipv6-unicast`—IPv6 unicast realm.
- `<no-nssa-abr>`—Disable full NSSA functionality at ABR.
- `<no-rfc-1583>`—Disable RFC1583 compatibility.
- `<overload>`—Set the overload mode (repel transit traffic).
- `<preference>`—Preference of internal routes.
- `<prefix-export-limit>`—Maximum number of prefixes that can be exported.
- `<reference-bandwidth>`—Bandwidth for calculating metric defaults.
- `<rib-group>`—Routing table group for importing OSPF routes.
- `<route-type-community>`—Specify BGP extended community value to encode OSPF route type.
- `iana`—BGP extended community value used is 0x0306.
  - `vendor`—Vendor BGP extended community value used is 0x8000.
- `<sham-link>`—Configure parameters for sham links.
- `<spf-options>`—Configure options for SPF.
- `<topology>`—Topology parameters.
- `<traceoptions>`—Trace options for OSPF.
- `<traffic-engineering>`—Configure traffic engineering attributes.

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

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <protocols>  
                 <ospf3>  
                   **<realm>**  
                     <name>*name*</name>   <!-- identifier -->  
                     <disable/>  
                     <traceoptions>...</traceoptions>  
                     <topology>...</topology>  
                     <spf-options>...</spf-options>  
                     <prefix-export-limit>*prefix-export-limit*</prefix-export-limit>  
                     <rib-group>*rib-group*</rib-group>  
                     <overload>...</overload>  
                     <graceful-restart>...</graceful-restart>  
                     <traffic-engineering>...</traffic-engineering>  
                     <route-type-community>*route-type-community-choice*  
                               </route-type-community>  
                     <domain-id>...</domain-id>  
                     <domain-vpn-tag>*domain-vpn-tag*</domain-vpn-tag>  
                     <preference>*preference*</preference>  
                     <external-preference>*external-preference*</external-preference>  
                     <export>...</export>  
                     <import>...</import>  
                     <reference-bandwidth>*reference-bandwidth*</reference-bandwidth>  
                     <no-rfc-1583/>  
                     <no-nssa-abr/>  
                     <sham-link>...</sham-link>  
                     <area>...</area>  
                   **</realm>**  
                 </ospf3>  
               </protocols>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** OSPFv3 realm configuration.

**Contents** <area>—Configure an OSPF area.

<disable>—Disable OSPF.

<domain-id>—Configure domain ID.

<domain-vpn-tag>—Domain VPN tag for external LSA.

<export>—Export policy.

<external-preference>—Preference of external routes.

<graceful-restart>—Configure graceful restart attributes.

<import>—Import policy (for external routes or setting priority).

<name>—OSPFv3 realm name.

- ipv4-multicast—IPv4 multicast realm.

- ipv4-unicast—IPv4 unicast realm.

- ipv6-multicast—IPv6 multicast realm.

- ipv6-unicast—IPv6 unicast realm.

<no-nssa-abr>—Disable full NSSA functionality at ABR.

<no-rfc-1583>—Disable RFC1583 compatibility.

<overload>—Set the overload mode (repel transit traffic).

<preference>—Preference of internal routes.

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

<reference-bandwidth>—Bandwidth for calculating metric defaults.

<rib-group>—Routing table group for importing OSPF routes.

<route-type-community>—Specify BGP extended community value to encode OSPF route type.

- iana—BGP extended community value used is 0x0306.

- vendor—Vendor BGP extended community value used is 0x8000.

<sham-link>—Configure parameters for sham links.

<spf-options>—Configure options for SPF.

<topology>—Topology parameters.

<traceoptions>—Trace options for OSPF.

<traffic-engineering>—Configure traffic engineering attributes.



**<receive> (configuration/logical-systems/protocols/rip)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <rip>  
            **<receive>**  
              <both/>  
              <none/>  
              <version-1/>  
              <version-2/>  
            **</receive>**  
          </rip>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Configure RIP receive options.

**Contents**   <both>—Accept both RIPv1 and RIPv2 packets.  
  
              <none>—Do not receive RIP packets.  
  
              <version-1>—Accept RIPv1 packets only.  
  
              <version-2>—Accept only RIPv2 packets.

## **<receive> (configuration/logical-systems/protocols/rip/group/neighbor)**

---

**Usage** <configuration>  
 <logical-systems>  
 <protocols>  
 <rip>  
 <group>  
 <neighbor>  
**<receive>**  
 <both/>  
 <none/>  
 <version-1/>  
 <version-2/>  
**</receive>**  
 </neighbor>  
 </group>  
 </rip>  
 </protocols>  
 </logical-systems>  
 </configuration>

**Description** Configure RIP receive options.

**Contents** <both>—Accept both RIPv1 and RIPv2 packets.

<none>—Do not receive RIP packets.

<version-1>—Accept RIPv1 packets only.

<version-2>—Accept only RIPv2 packets.

## **<receive> (configuration/logical-systems/protocols/ripng)**

---

**Usage** <configuration>  
 <logical-systems>  
 <protocols>  
 <ripng>  
**<receive>**  
 <none/>  
**</receive>**  
 </ripng>  
 </protocols>  
 </logical-systems>  
 </configuration>

**Description** Configure RIPvng receive options.

**Contents** <none>—Do not receive RIPvng packets.

**<receive> (configuration/logical-systems/protocols/ripng/group/neighbor)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <ripng>  
          <group>  
          <neighbor>  
          **<receive>**  
          <none/>  
          **</receive>**  
          </neighbor>  
          </group>  
          </ripng>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Configure RIPng receive options.

**Contents**   <none>—Do not receive RIPng packets.

## **<receive> (configuration/logical-systems/routing-instances/instance/protocols/rip)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <rip>  
          **<receive>**  
          <both/>  
          <none/>  
          <version-1/>  
          <version-2/>  
          **</receive>**  
          </rip>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Configure RIP receive options.

**Contents**   <both>—Accept both RIPv1 and RIPv2 packets.

          <none>—Do not receive RIP packets.

          <version-1>—Accept RIPv1 packets only.

          <version-2>—Accept only RIPv2 packets.

## **<receive> (configuration/logical-systems/routing-instances/instance/protocols/rip/group/neighbor)**

---

**Usage** <configuration>  
 <logical-systems>  
 <routing-instances>  
 <instance>  
 <protocols>  
 <rip>  
 <group>  
 <neighbor>  
**<receive>**  
 <both/>  
 <none/>  
 <version-1/>  
 <version-2/>  
**</receive>**  
 </neighbor>  
 </group>  
 </rip>  
 </protocols>  
 </instance>  
 </routing-instances>  
 </logical-systems>  
 </configuration>

**Description** Configure RIP receive options.

**Contents** <both>—Accept both RIPv1 and RIPv2 packets.

<none>—Do not receive RIP packets.

<version-1>—Accept RIPv1 packets only.

<version-2>—Accept only RIPv2 packets.

## **<receive> (configuration/logical-systems/routing-instances/instance/protocols/ripng)**

---

**Usage** <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <ripng>  
           **<receive>**  
           <none/>  
           **</receive>**  
           </ripng>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description** Configure RIPng receive options.

**Contents** <none>—Do not receive RIPng packets.

## **<receive> (configuration/logical-systems/routing-instances/instance/protocols/ripng/group/neighbor)**

---

**Usage** <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <ripng>  
           <group>  
           <neighbor>  
           **<receive>**  
           <none/>  
           **</receive>**  
           </neighbor>  
           </group>  
           </ripng>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description** Configure RIPng receive options.

**Contents** <none>—Do not receive RIPng packets.

**<receive> (configuration/protocols/rip)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;rip&gt;       &lt;receive&gt;         &lt;both/&gt;         &lt;none/&gt;         &lt;version-1/&gt;         &lt;version-2/&gt;       &lt;/receive&gt;     &lt;/rip&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Configure RIP receive options.
<b>Contents</b>	<p>&lt;both&gt;—Accept both RIPv1 and RIPv2 packets.</p> <p>&lt;none&gt;—Do not receive RIP packets.</p> <p>&lt;version-1&gt;—Accept RIPv1 packets only.</p> <p>&lt;version-2&gt;—Accept only RIPv2 packets.</p>

**<receive> (configuration/protocols/rip/group/neighbor)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;rip&gt;       &lt;group&gt;         &lt;neighbor&gt;           &lt;receive&gt;             &lt;both/&gt;             &lt;none/&gt;             &lt;version-1/&gt;             &lt;version-2/&gt;           &lt;/receive&gt;         &lt;/neighbor&gt;       &lt;/group&gt;     &lt;/rip&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Configure RIP receive options.
<b>Contents</b>	<p>&lt;both&gt;—Accept both RIPv1 and RIPv2 packets.</p> <p>&lt;none&gt;—Do not receive RIP packets.</p> <p>&lt;version-1&gt;—Accept RIPv1 packets only.</p> <p>&lt;version-2&gt;—Accept only RIPv2 packets.</p>

**<receive> (configuration/protocols/ripng)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;protocols&gt;     &lt;ripng&gt;       &lt;receive&gt;         &lt;none/&gt;       &lt;/receive&gt;     &lt;/ripng&gt;   &lt;/protocols&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Configure RIPng receive options.
<b>Contents</b>	<none>—Do not receive RIPng packets.

**<receive> (configuration/protocols/ripng/group/neighbor)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;protocols&gt;     &lt;ripng&gt;       &lt;group&gt;         &lt;neighbor&gt;           &lt;receive&gt;             &lt;none/&gt;           &lt;/receive&gt;         &lt;/neighbor&gt;       &lt;/group&gt;     &lt;/ripng&gt;   &lt;/protocols&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Configure RIPng receive options.
<b>Contents</b>	<none>—Do not receive RIPng packets.



## **<receive> (configuration/routing-instances/instance/protocols/rip)**

---

**Usage**   <configuration>  
               <routing-instances>  
               <instance>  
               <protocols>  
               <rip>  
                   **<receive>**  
                   <both/>  
                   <none/>  
                   <version-1/>  
                   <version-2/>  
                   **</receive>**  
               </rip>  
               </protocols>  
               </instance>  
               </routing-instances>  
               </configuration>

**Description**   Configure RIP receive options.

**Contents**   <both>—Accept both RIPv1 and RIPv2 packets.

              <none>—Do not receive RIP packets.

              <version-1>—Accept RIPv1 packets only.

              <version-2>—Accept only RIPv2 packets.

## **<receive> (configuration/routing-instances/instance/protocols/rip/group/neighbor)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <rip>  
          <group>  
          <neighbor>  
          **<receive>**  
          <both/>  
          <none/>  
          <version-1/>  
          <version-2/>  
          **</receive>**  
          </neighbor>  
          </group>  
          </rip>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Configure RIP receive options.

**Contents**   <both>—Accept both RIPv1 and RIPv2 packets.

              <none>—Do not receive RIP packets.

              <version-1>—Accept RIPv1 packets only.

              <version-2>—Accept only RIPv2 packets.

## **<receive> (configuration/routing-instances/instance/protocols/ripng)**

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <protocols>  
                 <ripng>  
                   **<receive>**  
                     <none/>  
                   **</receive>**  
                 </ripng>  
               </protocols>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** Configure RIPng receive options.

**Contents** <none>—Do not receive RIPng packets.

## **<receive> (configuration/routing-instances/instance/protocols/ripng/group/neighbor)**

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <protocols>  
                 <ripng>  
                   <group>  
                     <neighbor>  
                       **<receive>**  
                         <none/>  
                       **</receive>**  
                     </neighbor>  
                   </group>  
                 </ripng>  
               </protocols>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** Configure RIPng receive options.

**Contents** <none>—Do not receive RIPng packets.

## **<receive-bucket> (configuration/dynamic-profiles/interfaces/interface)**

---

**Usage**    <configuration>  
              <dynamic-profiles>  
              <interfaces>  
              <interface>  
                  **<receive-bucket>**  
                  <overflow>*overflow-choice*</overflow>  
                  <rate>*rate*</rate>  
                  <threshold>*threshold*</threshold>  
                  **</receive-bucket>**  
              </interface>  
              </interfaces>  
              </dynamic-profiles>  
              </configuration>

**Description**    Set receive bucket parameters.

**Contents**    <overflow>—Overflow behavior.

- **discard**—Discard overflow packets.
- **tag**—Tag and count overflow packets.

<rate>—Bucket rate.

<threshold>—Bucket threshold.

**<receive-bucket> (configuration/interfaces/interface)**

---

**Usage**   <configuration>  
           <interfaces>  
           <interface>  
             **<receive-bucket>**  
               <overflow>overflow-choice</overflow>  
               <rate>rate</rate>  
               <threshold>threshold</threshold>  
             **</receive-bucket>**  
           </interface>  
         </interfaces>  
       </configuration>

**Description**   Set receive bucket parameters.

**Contents**   <overflow>—Overflow behavior.

- discard—Discard overflow packets.
- tag—Tag and count overflow packets.

<rate>—Bucket rate.

<threshold>—Bucket threshold.

## **<reclaim-wait-time> (configuration/logical-systems/ routing-instances/instance/protocols/l2vpn/site/automatic-site-id)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <l2vpn>
            <site>
              <automatic-site-id>
                <reclaim-wait-time>
                  <minimum>milliseconds</minimum>    <!-- mandatory -->
                  <maximum>milliseconds</maximum>    <!-- mandatory -->
                </reclaim-wait-time>
              </automatic-site-id>
            </site>
          </l2vpn>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Time to wait for reclaiming a site identifier.

**Contents** <maximum>—Maximum wait time.  
 <minimum>—Minimum wait time.

## **<reclaim-wait-time> (configuration/logical-systems/ routing-instances/instance/protocols/vpls/site/automatic-site-id)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <vpls>  
           <site>  
           <automatic-site-id>  
           **<reclaim-wait-time>**  
             <minimum>*milliseconds*</minimum>   <!-- mandatory -->  
             <maximum>*milliseconds*</maximum>   <!-- mandatory -->  
           **</reclaim-wait-time>**  
           </automatic-site-id>  
           </site>  
           </vpls>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Time to wait for reclaiming a site identifier.

**Contents**   <maximum>—Maximum wait time.  
               <minimum>—Minimum wait time.

**<reclaim-wait-time> (configuration/routing-instances/instance/protocols/l2vpn/site/automatic-site-id)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <l2vpn>  
          <site>  
          <automatic-site-id>  
          **<reclaim-wait-time>**  
            <minimum>*milliseconds*</minimum>   <!-- mandatory -->  
            <maximum>*milliseconds*</maximum>   <!-- mandatory -->  
          **</reclaim-wait-time>**  
          </automatic-site-id>  
          </site>  
          </l2vpn>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Time to wait for reclaiming a site identifier.

**Contents**    <maximum>—Maximum wait time.  
              <minimum>—Minimum wait time.



**<reclaim-wait-time> (configuration/routing-instances/instance/protocols/vpls/site/automatic-site-id)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <vpls>  
          <site>  
          <automatic-site-id>  
              **<reclaim-wait-time>**  
                  <minimum>*milliseconds*</minimum>   <!-- mandatory -->  
                  <maximum>*milliseconds*</maximum>   <!-- mandatory -->  
              **</reclaim-wait-time>**  
          </automatic-site-id>  
          </site>  
          </vpls>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Time to wait for reclaiming a site identifier.

**Contents**    <maximum>—Maximum wait time.  
              <minimum>—Minimum wait time.

## **<record-extension-attributes> (configuration/services/ggsn/charging/cdr-attribute)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;charging&gt;         &lt;cdr-attribute&gt;           &lt;record-extension-attributes&gt;             &lt;user-category/&gt;             &lt;bearer-control/&gt;             &lt;service-based-charging&gt;...&lt;/service-based-charging&gt;             &lt;include-uri/&gt;             &lt;include-redirect-info/&gt;           &lt;/record-extension-attributes&gt;         &lt;/cdr-attribute&gt;       &lt;/charging&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Record extension CDR attributes.
<b>Contents</b>	<p>&lt;bearer-control&gt;—Include bearer control.</p> <p>&lt;include-redirect-info&gt;—Include redirect information.</p> <p>&lt;include-uri&gt;—Include URI in CDRs for event-based packet inspection.</p> <p>&lt;service-based-charging&gt;—Service-based charging CDR attributes.</p> <p>&lt;user-category&gt;—Include user category.</p>

## **<red-buffer-occupancy> (configuration/chassis/fpc/pic)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;chassis&gt;     &lt;fpc&gt;       &lt;pic&gt;         &lt;red-buffer-occupancy&gt;           &lt;weighted-averaged&gt;...&lt;/weighted-averaged&gt;         &lt;/red-buffer-occupancy&gt;       &lt;/pic&gt;     &lt;/fpc&gt;   &lt;/chassis&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Computation type for RED buffer occupancy.
<b>Contents</b>	<weighted-averaged>—Weighted-average computation.

**<red-buffer-occupancy> (configuration/chassis/lcc/fpc/pic)**

---

**Usage** <configuration>  
           <chassis>  
             <lcc>  
               <fpc>  
                 <pic>  
                   **<red-buffer-occupancy>**  
                     <weighted-averaged>...</weighted-averaged>  
                   **</red-buffer-occupancy>**  
                 </pic>  
               </fpc>  
             </lcc>  
           </chassis>  
         </configuration>

**Description** Computation type for RED buffer occupancy.

**Contents** <weighted-averaged>—Weighted-average computation.

**<redirect> (configuration/services/ggsn/apn/service-based-charging/credit-control/ro-profile)**

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               <apn>  
                 <service-based-charging>  
                   <credit-control>  
                     <ro-profile>  
                       **<redirect>**  
                         <append-uri/>  
                         <no-uri-formatting/>  
                       **</redirect>**  
                     </ro-profile>  
                   </credit-control>  
                 </service-based-charging>  
               </apn>  
             </ggsn>  
           </services>  
         </configuration>

**Description** Settings for redirect.

**Contents** <append-uri>—Append the request URL to the redirect URL.

<no-uri-formatting>—Do not format URL according to included formatting codes.

**<redirect-map> (configuration/services/ggsn/rule-space)**

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               <rule-space>  
                 <redirect-map>  
                   <name>name</name>   <!-- identifier -->  
                   <service-id>...</service-id>   <!-- mandatory -->  
                 </redirect-map>  
               </rule-space>  
             </ggsn>  
           </services>  
         </configuration>

**Description** Mapping service identifiers to redirect sets.

**Contents** <name>—A redirect set.  
               <service-id>—Service identifier to redirect for the given redirect set.

**<redirect-map> (configuration/services/ggsn/service-set/service-identification)**

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               <service-set>  
                 <service-identification>  
                   <redirect-map>  
                     <name>name</name>   <!-- identifier -->  
                     <service-id>...</service-id>   <!-- mandatory -->  
                   </redirect-map>  
                 </service-identification>  
               </service-set>  
             </ggsn>  
           </services>  
         </configuration>

**Description** Mapping service identifiers to redirect sets.

**Contents** <name>—A redirect set.  
               <service-id>—Service identifier to redirect for the given redirect set.

## **<redirect-with-acknowledgement> (configuration/services/ggsn/rule-space)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <rule-space>  
             **<redirect-with-acknowledgement>**  
               <acknowledgement-label>*acknowledgement-label*  
               </acknowledgement-label>  
               <remove-acknowledgement>...</remove-acknowledgement>  
             **</redirect-with-acknowledgement>**  
           </rule-space>  
         </ggsn>  
       </services>  
     </configuration>

**Description**   Settings for redirect with acknowledgement.

**Contents**   <acknowledgement-label>—Acknowledgement label used to identify successful redirect with user acknowledgement.

                <remove-acknowledgement>—Settings for removal of acknowledgement parameter from request URI.

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

---

**Usage** <configuration>  
           <chassis>  
             **<redundancy>**  
               <routing-engine>...</routing-engine>  
               <ssb>...</ssb>  
               <cfeb>...</cfeb>  
               <sfm>...</sfm>  
               <failover>...</failover>  
               <keepalive-time>seconds</keepalive-time>  
               <graceful-switchover>graceful-switchover</graceful-switchover>  
               <feb>...</feb>  
             **</redundancy>**  
           </chassis>  
         </configuration>

**Description** Redundancy settings.

**Contents** <cfeb>—Redundancy options for Compact Forwarding Engine Boards.  
           <failover>—Failover to other Routing Engine.  
           <feb>—Forwarding Engine Board redundancy configuration.  
           <graceful-switchover>—Enable graceful switchover on supported hardware.  
           <keepalive-time>—Time before Routing Engine failover.  
           <routing-engine>—Redundancy options for Routing Engines.  
           <sfm>—Redundancy options for Switching and Forwarding Modules.  
           <ssb>—Redundancy options for System Switch Boards.

## **<redundancy> (configuration/dynamic-profiles/interfaces/interface/container-options)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <container-options>  
             **<redundancy>**  
               <hold-time>...</hold-time>  
             **</redundancy>**  
           </container-options>  
         </interface>  
       </interfaces>  
     </dynamic-profiles>  
 </configuration>

**Description** Container interface redundancy options.

**Contents** <hold-time>—Hold time for link up and link down.

## **<redundancy> (configuration/interfaces/interface/container-options)**

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
           <container-options>  
             **<redundancy>**  
               <hold-time>...</hold-time>  
             **</redundancy>**  
           </container-options>  
         </interface>  
       </interfaces>  
 </configuration>

**Description** Container interface redundancy options.

**Contents** <hold-time>—Hold time for link up and link down.

**<redundancy-group> (configuration/chassis/redundancy/feb)**

---

**Usage** <configuration>  
           <chassis>  
             <redundancy>  
               <feb>  
                 **<redundancy-group>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <description>*description*</description>  
                   <feb>...</feb>  
                   <no-auto-failover/>  
                 **</redundancy-group>**  
               </feb>  
             </redundancy>  
           </chassis>  
         </configuration>

**Description** No documentation is available yet.

**Contents** <description>—Text description of FEB redundancy group.  
               <feb>—Redundancy settings for a Forwarding Engine Board.  
               <name>—Name of FEB redundancy group.  
               <no-auto-failover>—Disable automatic FEB failover.

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

---

**Usage** <configuration>  
           <dynamic-profiles>  
             <interfaces>  
               <interface>  
                 **<redundancy-options>**  
                   <primary>*primary*</primary>  
                   <secondary>*secondary*</secondary>  
                 **</redundancy-options>**  
               </interface>  
             </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description** Redundancy options.

**Contents** <primary>—Specify the primary interface.  
               <secondary>—Specify the secondary interface.



**<redundancy-options> (configuration/interfaces/interface)**

---

- Usage**   <configuration>  
               <interfaces>  
                   <interface>  
                       **<redundancy-options>**  
                           <primary>*primary*</primary>  
                           <secondary>*secondary*</secondary>  
                       **</redundancy-options>**  
                   </interface>  
               </interfaces>  
           </configuration>
- Description**   Redundancy options.
- Contents**    <primary>—Specify the primary interface.  
                   <secondary>—Specify the secondary interface.

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

---

**Usage** <configuration>  
 <dynamic-profiles>  
 <interfaces>  
 <interface>  
   **<redundant-ether-options>**  
     <redundancy-group>*redundancy-group*  
       </redundancy-group>   <!-- mandatory -->  
     <loopback/>  
     <flow-control/>  
     <source-filtering/>  
     <source-address-filter>...</source-address-filter>  
     <link-speed>*link-speed-choice*</link-speed>  
   **</redundant-ether-options>**  
 </interface>  
 </interfaces>  
 </dynamic-profiles>  
 </configuration>

**Description** Ethernet redundancy options.

**Contents** <flow-control>—Enable flow control.

<link-speed>—Link speed of individual interface that joins the RETH.

■ 100m—Links are 100M.

■ 10m—Links are 10M.

■ 1g—Links are 1G.

<loopback>—Enable loopback.

<redundancy-group>—Redundancy group of this interface.

<source-address-filter>—Source address filters.

<source-filtering>—Enable source address filtering.

**<redundant-ether-options> (configuration/interfaces/interface)**

---

**Usage** <configuration>  
 <interfaces>  
 <interface>  
   **<redundant-ether-options>**  
     <redundancy-group>*redundancy-group*  
       </redundancy-group>   <!-- mandatory -->  
     <loopback/>  
     <flow-control/>  
     <source-filtering/>  
     <source-address-filter>...</source-address-filter>  
     <link-speed>*link-speed-choice*</link-speed>  
   **</redundant-ether-options>**  
 </interface>  
 </interfaces>  
 </configuration>

**Description** Ethernet redundancy options.

**Contents** <flow-control>—Enable flow control.

<link-speed>—Link speed of individual interface that joins the RETH.

- 100m—Links are 100M.
- 10m—Links are 10M.
- 1g—Links are 1G.

<loopback>—Enable loopback.

<redundancy-group>—Redundancy group of this interface.

<source-address-filter>—Source address filters.

<source-filtering>—Enable source address filtering.

## **<redundant-parent> (configuration/dynamic-profiles/interfaces/interface/fastether-options)**

---

**Usage** <configuration>  
     <dynamic-profiles>  
         <interfaces>  
             <interface>  
                 <fastether-options>  
                     **<redundant-parent>**  
                         <parent>*parent*</parent>   <!-- mandatory -->  
                     **</redundant-parent>**  
                 </fastether-options>  
             </interface>  
         </interfaces>  
     </dynamic-profiles>  
 </configuration>

**Description** Parent of this interface.

**Contents** <parent>—Join a redundant ethernet interface.

## **<redundant-parent> (configuration/dynamic-profiles/interfaces/interface/gigether-options)**

---

**Usage** <configuration>  
     <dynamic-profiles>  
         <interfaces>  
             <interface>  
                 <gigether-options>  
                     **<redundant-parent>**  
                         <parent>*parent*</parent>   <!-- mandatory -->  
                     **</redundant-parent>**  
                 </gigether-options>  
             </interface>  
         </interfaces>  
     </dynamic-profiles>  
 </configuration>

**Description** Parent of this interface.

**Contents** <parent>—Join a redundant ethernet interface.

## **<redundant-parent> (configuration/interfaces/interface/fastether-options)**

---

**Usage**   <configuration>  
           <interfaces>  
           <interface>  
           <fastether-options>  
           **<redundant-parent>**  
           <parent>*parent*</parent>   <!-- mandatory -->  
           **</redundant-parent>**  
           </fastether-options>  
           </interface>  
           </interfaces>  
           </configuration>

**Description**   Parent of this interface.

**Contents**   <parent>—Join a redundant ethernet interface.

## **<redundant-parent> (configuration/interfaces/interface/gigether-options)**

---

**Usage**   <configuration>  
           <interfaces>  
           <interface>  
           <gigether-options>  
           **<redundant-parent>**  
           <parent>*parent*</parent>   <!-- mandatory -->  
           **</redundant-parent>**  
           </gigether-options>  
           </interface>  
           </interfaces>  
           </configuration>

**Description**   Parent of this interface.

**Contents**   <parent>—Join a redundant ethernet interface.

## **<redundant-sources> (configuration/logical-systems/routing-instances/instance/routing-options/multicast/flow-map)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <routing-options>  
                     <multicast>  
                         <flow-map>  
                             **<redundant-sources>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</redundant-sources>**  
                         </flow-map>  
                     </multicast>  
                 </routing-options>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
 </configuration>

**Description** Redundant source addresses.

**Contents** <name>—Redundant source addresses.

## **<redundant-sources> (configuration/logical-systems/routing-options/multicast/flow-map)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-options>  
             <multicast>  
                 <flow-map>  
                     **<redundant-sources>**  
                         <name>*name*</name>   <!-- identifier -->  
                     **</redundant-sources>**  
                 </flow-map>  
             </multicast>  
         </routing-options>  
     </logical-systems>  
 </configuration>

**Description** Redundant source addresses.

**Contents** <name>—Redundant source addresses.

## **<redundant-sources> (configuration/routing-instances/instance/ routing-options/multicast/flow-map)**

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <routing-options>  
                 <multicast>  
                   <flow-map>  
                     **<redundant-sources>**  
                       <name>*name*</name>   <!-- identifier -->  
                     **</redundant-sources>**  
                   </flow-map>  
                 </multicast>  
               </routing-options>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** Redundant source addresses.

**Contents** <name>—Redundant source addresses.

## **<redundant-sources> (configuration/routing-options/multicast/ flow-map)**

---

**Usage** <configuration>  
           <routing-options>  
             <multicast>  
               <flow-map>  
                 **<redundant-sources>**  
                   <name>*name*</name>   <!-- identifier -->  
                 **</redundant-sources>**  
               </flow-map>  
             </multicast>  
           </routing-options>  
         </configuration>

**Description** Redundant source addresses.

**Contents** <name>—Redundant source addresses.

**<reject> (configuration/firewall/family/inet/filter/term/then)**

---

**Usage**

```

<configuration>
  <firewall>
    <family>
      <inet>
        <filter>
          <term>
            <then>
              <reject>
                <network-unreachable/>
                <host-unreachable/>
                <protocol-unreachable/>
                <port-unreachable/>
                <fragmentation-needed/>
                <source-route-failed/>
                <network-unknown/>
                <host-unknown/>
                <source-host-isolated/>
                <network-prohibited/>
                <host-prohibited/>
                <bad-network-tos/>
                <bad-host-tos/>
                <administratively-prohibited/>
                <precedence-violation/>
                <precedence-cutoff/>
                <tcp-reset/>
              </reject>
            </then>
          </term>
        </filter>
      </inet>
    </family>
  </firewall>
</configuration>

```

**Description** Reject the packet.

**Contents**

- <administratively-prohibited>—Send ICMP Administratively Prohibited message.
- <bad-host-tos>—Send ICMP Bad Host ToS message.
- <bad-network-tos>—Send ICMP Bad Network ToS message.
- <fragmentation-needed>—Send ICMP Fragmentation Needed message.
- <host-prohibited>—Send ICMP Host Prohibited message.
- <host-unknown>—Send ICMP Host Unknown message.
- <host-unreachable>—Send ICMP Host Unreachable message.
- <network-prohibited>—Send ICMP Network Prohibited message.
- <network-unknown>—Send ICMP Network Unknown message.



<network-unreachable>—Send ICMP Network Unreachable message.

<port-unreachable>—Send ICMP Port Unreachable message.

<precedence-cutoff>—Send ICMP Precedence Cutoff message.

<precedence-violation>—Send ICMP Precedence Violation message.

<protocol-unreachable>—Send ICMP Protocol Unreachable message.

<source-host-isolated>—Send ICMP Source Host Isolated message.

<source-route-failed>—Send ICMP Source Route Failed message.

<tcp-reset>—Send TCP Reset message.

**<reject> (configuration/firewall/family/inet6/filter/term/then)**

---

**Usage**

```

<configuration>
  <firewall>
    <family>
      <inet6>
        <filter>
          <term>
            <then>
              <reject>
                <no-route/>
                <administratively-prohibited/>
                <beyond-scope/>
                <address-unreachable/>
                <port-unreachable/>
                <tcp-reset/>
                <fragmentation-needed/>
              </reject>
            </then>
          </term>
        </filter>
      </inet6>
    </family>
  </firewall>
</configuration>

```

**Description** Reject the packet.

**Contents**

- <address-unreachable>—Send ICMPv6 Address Unreachable message.
- <administratively-prohibited>—Send ICMPv6 Administratively Prohibited message.
- <beyond-scope>—Send ICMPv6 Beyond Scope of Source Address message.
- <fragmentation-needed>—Send ICMPv4 Fragmentation Needed message.
- <no-route>—Send ICMPv6 No Route message.
- <port-unreachable>—Send ICMPv6 Port Unreachable message.
- <tcp-reset>—Send TCP Reset message.

**<reject> (configuration/firewall/filter/term/then)**

---

**Usage** <configuration>  
           <firewall>  
           <filter>  
           <term>  
           <then>  
             **<reject>**  
               <network-unreachable/>  
               <host-unreachable/>  
               <protocol-unreachable/>  
               <port-unreachable/>  
               <fragmentation-needed/>  
               <source-route-failed/>  
               <network-unknown/>  
               <host-unknown/>  
               <source-host-isolated/>  
               <network-prohibited/>  
               <host-prohibited/>  
               <bad-network-tos/>  
               <bad-host-tos/>  
               <administratively-prohibited/>  
               <precedence-violation/>  
               <precedence-cutoff/>  
               <tcp-reset/>  
             **</reject>**  
           </then>  
         </term>  
       </filter>  
     </firewall>  
 </configuration>

**Description** Reject the packet.

**Contents** <administratively-prohibited>—Send ICMP Administratively Prohibited message.

<bad-host-tos>—Send ICMP Bad Host ToS message.

<bad-network-tos>—Send ICMP Bad Network ToS message.

<fragmentation-needed>—Send ICMP Fragmentation Needed message.

<host-prohibited>—Send ICMP Host Prohibited message.

<host-unknown>—Send ICMP Host Unknown message.

<host-unreachable>—Send ICMP Host Unreachable message.

<network-prohibited>—Send ICMP Network Prohibited message.

<network-unknown>—Send ICMP Network Unknown message.

<network-unreachable>—Send ICMP Network Unreachable message.

<port-unreachable>—Send ICMP Port Unreachable message.

<precedence-cutoff>—Send ICMP Precedence Cutoff message.

<precedence-violation>—Send ICMP Precedence Violation message.

<protocol-unreachable>—Send ICMP Protocol Unreachable message.

<source-host-isolated>—Send ICMP Source Host Isolated message.

<source-route-failed>—Send ICMP Source Route Failed message.

<tcp-reset>—Send TCP Reset message.

## **<reject> (configuration/logical-systems/firewall/family/inet/filter/term/then)**

---

**Usage** <configuration>  
           <logical-systems>  
           <firewall>  
           <family>  
           <inet>  
           <filter>  
           <term>  
           <then>  
             **<reject>**  
               <network-unreachable/>  
               <host-unreachable/>  
               <protocol-unreachable/>  
               <port-unreachable/>  
               <fragmentation-needed/>  
               <source-route-failed/>  
               <network-unknown/>  
               <host-unknown/>  
               <source-host-isolated/>  
               <network-prohibited/>  
               <host-prohibited/>  
               <bad-network-tos/>  
               <bad-host-tos/>  
               <administratively-prohibited/>  
               <precedence-violation/>  
               <precedence-cutoff/>  
               <tcp-reset/>  
             **</reject>**  
           </then>  
         </term>  
       </filter>  
     </inet>  
   </family>  
</firewall>  
</logical-systems>  
</configuration>

**Description** Reject the packet.

**Contents** <administratively-prohibited>—Send ICMP Administratively Prohibited message.

<bad-host-tos>—Send ICMP Bad Host ToS message.

<bad-network-tos>—Send ICMP Bad Network ToS message.

<fragmentation-needed>—Send ICMP Fragmentation Needed message.

<host-prohibited>—Send ICMP Host Prohibited message.

<host-unknown>—Send ICMP Host Unknown message.

<host-unreachable>—Send ICMP Host Unreachable message.

<network-prohibited>—Send ICMP Network Prohibited message.

<network-unknown>—Send ICMP Network Unknown message.

<network-unreachable>—Send ICMP Network Unreachable message.

<port-unreachable>—Send ICMP Port Unreachable message.

<precedence-cutoff>—Send ICMP Precedence Cutoff message.

<precedence-violation>—Send ICMP Precedence Violation message.

<protocol-unreachable>—Send ICMP Protocol Unreachable message.

<source-host-isolated>—Send ICMP Source Host Isolated message.

<source-route-failed>—Send ICMP Source Route Failed message.

<tcp-reset>—Send TCP Reset message.

## **<reject> (configuration/logical-systems/firewall/family/inet6/ filter/term/then)**

---

**Usage** <configuration>  
 <logical-systems>  
 <firewall>  
 <family>  
 <inet6>  
 <filter>  
 <term>  
 <then>  
**<reject>**  
 <no-route/>  
 <administratively-prohibited/>  
 <beyond-scope/>  
 <address-unreachable/>  
 <port-unreachable/>  
 <tcp-reset/>  
 <fragmentation-needed/>  
**</reject>**  
 </then>  
 </term>  
 </filter>  
 </inet6>  
 </family>  
 </firewall>  
 </logical-systems>  
 </configuration>

**Description** Reject the packet.

**Contents** <address-unreachable>—Send ICMPv6 Address Unreachable message.  
 <administratively-prohibited>—Send ICMPv6 Administratively Prohibited message.  
 <beyond-scope>—Send ICMPv6 Beyond Scope of Source Address message.  
 <fragmentation-needed>—Send ICMPv4 Fragmentation Needed message.  
 <no-route>—Send ICMPv6 No Route message.  
 <port-unreachable>—Send ICMPv6 Port Unreachable message.  
 <tcp-reset>—Send TCP Reset message.

## **<reject> (configuration/logical-systems/firewall/filter/term/then)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <filter>
        <term>
          <then>
            <reject>
              <network-unreachable/>
              <host-unreachable/>
              <protocol-unreachable/>
              <port-unreachable/>
              <fragmentation-needed/>
              <source-route-failed/>
              <network-unknown/>
              <host-unknown/>
              <source-host-isolated/>
              <network-prohibited/>
              <host-prohibited/>
              <bad-network-tos/>
              <bad-host-tos/>
              <administratively-prohibited/>
              <precedence-violation/>
              <precedence-cutoff/>
              <tcp-reset/>
            </reject>
          </then>
        </term>
      </filter>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Reject the packet.

**Contents**

- <administratively-prohibited>—Send ICMP Administratively Prohibited message.
- <bad-host-tos>—Send ICMP Bad Host ToS message.
- <bad-network-tos>—Send ICMP Bad Network ToS message.
- <fragmentation-needed>—Send ICMP Fragmentation Needed message.
- <host-prohibited>—Send ICMP Host Prohibited message.
- <host-unknown>—Send ICMP Host Unknown message.
- <host-unreachable>—Send ICMP Host Unreachable message.
- <network-prohibited>—Send ICMP Network Prohibited message.
- <network-unknown>—Send ICMP Network Unknown message.



- <network-unreachable>—Send ICMP Network Unreachable message.
- <port-unreachable>—Send ICMP Port Unreachable message.
- <precedence-cutoff>—Send ICMP Precedence Cutoff message.
- <precedence-violation>—Send ICMP Precedence Violation message.
- <protocol-unreachable>—Send ICMP Protocol Unreachable message.
- <source-host-isolated>—Send ICMP Source Host Isolated message.
- <source-route-failed>—Send ICMP Source Route Failed message.
- <tcp-reset>—Send TCP Reset message.

**<relay-option-60> (configuration/bridge-domains/domain/forwarding-options/dhcp-relay)**

---

Usage	<configuration> <bridge-domains> <domain> <forwarding-options> <dhcp-relay> <b>&lt;relay-option-60&gt;</b> <vendor-option>...</vendor-option> <b>&lt;/relay-option-60&gt;</b> </dhcp-relay> </forwarding-options> </domain> </bridge-domains> </configuration>
Description	DHCP option-60 processing.
Contents	<vendor-option>—Add vendor option.

## **<relay-option-60> (configuration/bridge-domains/domain/forwarding-options/dhcp-relay/group)**

---

**Usage** <configuration>  
           <bridge-domains>  
             <domain>  
               <forwarding-options>  
                 <dhcp-relay>  
                   <group>  
                     **<relay-option-60>**  
                       <vendor-option>...</vendor-option>  
                     **</relay-option-60>**  
                   </group>  
                 </dhcp-relay>  
               </forwarding-options>  
             </domain>  
           </bridge-domains>  
         </configuration>

**Description** DHCP option-60 processing.

**Contents** <vendor-option>—Add vendor option.

## **<relay-option-60> (configuration/forwarding-options/dhcp-relay)**

---

**Usage** <configuration>  
           <forwarding-options>  
             <dhcp-relay>  
               **<relay-option-60>**  
                 <vendor-option>...</vendor-option>  
               **</relay-option-60>**  
             </dhcp-relay>  
           </forwarding-options>  
         </configuration>

**Description** DHCP option-60 processing.

**Contents** <vendor-option>—Add vendor option.

## **<relay-option-60> (configuration/forwarding-options/dhcp-relay/group)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;forwarding-options&gt;     &lt;dhcp-relay&gt;       &lt;group&gt;         &lt;relay-option-60&gt;           &lt;vendor-option&gt;...&lt;/vendor-option&gt;         &lt;/relay-option-60&gt;       &lt;/group&gt;     &lt;/dhcp-relay&gt;   &lt;/forwarding-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	DHCP option-60 processing.
<b>Contents</b>	<vendor-option>—Add vendor option.

## **<relay-option-60> (configuration/logical-systems/forwarding-options/dhcp-relay)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;forwarding-options&gt;       &lt;dhcp-relay&gt;         &lt;relay-option-60&gt;           &lt;vendor-option&gt;...&lt;/vendor-option&gt;         &lt;/relay-option-60&gt;       &lt;/dhcp-relay&gt;     &lt;/forwarding-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	DHCP option-60 processing.
<b>Contents</b>	<vendor-option>—Add vendor option.

## **<relay-option-60> (configuration/logical-systems/forwarding-options/dhcp-relay/group)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;forwarding-options&gt;       &lt;dhcp-relay&gt;         &lt;group&gt;           &lt;relay-option-60&gt;             &lt;vendor-option&gt;...&lt;/vendor-option&gt;           &lt;/relay-option-60&gt;         &lt;/group&gt;       &lt;/dhcp-relay&gt;     &lt;/forwarding-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	DHCP option-60 processing.
<b>Contents</b>	<vendor-option>—Add vendor option.

## **<relay-option-60> (configuration/logical-systems/routing-instances/instance/bridge-domains/domain/forwarding-options/dhcp-relay)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-instances&gt;       &lt;instance&gt;         &lt;bridge-domains&gt;           &lt;domain&gt;             &lt;forwarding-options&gt;               &lt;dhcp-relay&gt;                 &lt;relay-option-60&gt;                   &lt;vendor-option&gt;...&lt;/vendor-option&gt;                 &lt;/relay-option-60&gt;               &lt;/dhcp-relay&gt;             &lt;/forwarding-options&gt;           &lt;/domain&gt;         &lt;/bridge-domains&gt;       &lt;/instance&gt;     &lt;/routing-instances&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	DHCP option-60 processing.
<b>Contents</b>	<vendor-option>—Add vendor option.

## **<relay-option-60> (configuration/logical-systems/ routing-instances/instance/bridge-domains/domain/ forwarding-options/dhcp-relay/group)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <bridge-domains>  
                     <domain>  
                         <forwarding-options>  
                             <dhcp-relay>  
                                 <group>  
                                     **<relay-option-60>**  
   <vendor-option>...</vendor-option>  
                                     **</relay-option-60>**  
                                 </group>  
                             </dhcp-relay>  
                         </forwarding-options>  
                     </domain>  
                 </bridge-domains>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
 </configuration>

**Description** DHCP option-60 processing.

**Contents** <vendor-option>—Add vendor option.

## **<relay-option-60> (configuration/logical-systems/ routing-instances/instance/forwarding-options/dhcp-relay)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <forwarding-options>  
                     <dhcp-relay>  
                         **<relay-option-60>**  
                             <vendor-option>...</vendor-option>  
                         **</relay-option-60>**  
                     </dhcp-relay>  
                 </forwarding-options>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
 </configuration>

**Description** DHCP option-60 processing.

**Contents** <vendor-option>—Add vendor option.

## **<relay-option-60> (configuration/logical-systems/ routing-instances/instance/forwarding-options/dhcp-relay/group)**

---

**Usage** <configuration>  
           <logical-systems>  
             <routing-instances>  
               <instance>  
                 <forwarding-options>  
                   <dhcp-relay>  
                     <group>  
                       **<relay-option-60>**  
                         <vendor-option>...</vendor-option>  
                       **</relay-option-60>**  
                     </group>  
                   </dhcp-relay>  
                 </forwarding-options>  
               </instance>  
             </routing-instances>  
           </logical-systems>  
         </configuration>

**Description** DHCP option-60 processing.

**Contents** <vendor-option>—Add vendor option.

## **<relay-option-60> (configuration/routing-instances/instance/ bridge-domains/domain/forwarding-options/dhcp-relay)**

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <bridge-domains>  
                 <domain>  
                   <forwarding-options>  
                     <dhcp-relay>  
                       **<relay-option-60>**  
                         <vendor-option>...</vendor-option>  
                       **</relay-option-60>**  
                     </dhcp-relay>  
                   </forwarding-options>  
                 </domain>  
               </bridge-domains>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** DHCP option-60 processing.

**Contents** <vendor-option>—Add vendor option.

## **<relay-option-60> (configuration/routing-instances/instance/bridge-domains/domain/forwarding-options/dhcp-relay/group)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <bridge-domains>  
                 <domain>  
                     <forwarding-options>  
                         <dhcp-relay>  
                             <group>  
                                 **<relay-option-60>**  
                                     <vendor-option>...</vendor-option>  
                                 **</relay-option-60>**  
                             </group>  
                         </dhcp-relay>  
                     </forwarding-options>  
                 </domain>  
             </bridge-domains>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** DHCP option-60 processing.

**Contents** <vendor-option>—Add vendor option.

## **<relay-option-60> (configuration/routing-instances/instance/forwarding-options/dhcp-relay)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <forwarding-options>  
                 <dhcp-relay>  
                     **<relay-option-60>**  
                         <vendor-option>...</vendor-option>  
                     **</relay-option-60>**  
                 </dhcp-relay>  
             </forwarding-options>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** DHCP option-60 processing.

**Contents** <vendor-option>—Add vendor option.

## **<relay-option-60> (configuration/routing-instances/instance/forwarding-options/dhcp-relay/group)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <forwarding-options>  
           <dhcp-relay>  
           <group>  
           **<relay-option-60>**  
           <vendor-option>...</vendor-option>  
           **</relay-option-60>**  
           </group>  
           </dhcp-relay>  
           </forwarding-options>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   DHCP option-60 processing.

**Contents**    <vendor-option>—Add vendor option.

## **<relay-option-82> (configuration/bridge-domains/domain/forwarding-options/dhcp-relay)**

---

**Usage**   <configuration>  
           <bridge-domains>  
           <domain>  
           <forwarding-options>  
           <dhcp-relay>  
           **<relay-option-82>**  
           <circuit-id>...</circuit-id>  
           **</relay-option-82>**  
           </dhcp-relay>  
           </forwarding-options>  
           </domain>  
           </bridge-domains>  
           </configuration>

**Description**   DHCP option-82 processing.

**Contents**    <circuit-id>—Add circuit identifier.



## **<relay-option-82> (configuration/bridge-domains/domain/forwarding-options/dhcp-relay/group)**

---

**Usage**   <configuration>  
           <bridge-domains>  
           <domain>  
           <forwarding-options>  
           <dhcp-relay>  
           <group>  
           **<relay-option-82>**  
           <circuit-id>...</circuit-id>  
           **</relay-option-82>**  
           </group>  
           </dhcp-relay>  
           </forwarding-options>  
           </domain>  
           </bridge-domains>  
           </configuration>

**Description**   DHCP option-82 processing.

**Contents**    <circuit-id>—Add circuit identifier.

## **<relay-option-82> (configuration/forwarding-options/dhcp-relay)**

---

**Usage**   <configuration>  
           <forwarding-options>  
           <dhcp-relay>  
           **<relay-option-82>**  
           <circuit-id>...</circuit-id>  
           **</relay-option-82>**  
           </dhcp-relay>  
           </forwarding-options>  
           </configuration>

**Description**   DHCP option-82 processing.

**Contents**    <circuit-id>—Add circuit identifier.

## **<relay-option-82> (configuration/forwarding-options/dhcp-relay/group)**

---

**Usage**   <configuration>  
           <forwarding-options>  
           <dhcp-relay>  
           <group>  
             **<relay-option-82>**  
               <circuit-id>...</circuit-id>  
             **</relay-option-82>**  
           </group>  
         </dhcp-relay>  
       </forwarding-options>  
     </configuration>

**Description**   DHCP option-82 processing.

**Contents**    <circuit-id>—Add circuit identifier.

## **<relay-option-82> (configuration/logical-systems/forwarding-options/dhcp-relay)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <forwarding-options>  
           <dhcp-relay>  
             **<relay-option-82>**  
               <circuit-id>...</circuit-id>  
             **</relay-option-82>**  
           </dhcp-relay>  
         </forwarding-options>  
       </logical-systems>  
     </configuration>

**Description**   DHCP option-82 processing.

**Contents**    <circuit-id>—Add circuit identifier.

## **<relay-option-82> (configuration/logical-systems/forwarding-options/dhcp-relay/group)**

---

**Usage** <configuration>  
           <logical-systems>  
             <forwarding-options>  
               <dhcp-relay>  
                 <group>  
                   **<relay-option-82>**  
                     <circuit-id>...</circuit-id>  
                   **</relay-option-82>**  
                 </group>  
               </dhcp-relay>  
             </forwarding-options>  
           </logical-systems>  
         </configuration>

**Description** DHCP option-82 processing.

**Contents** <circuit-id>—Add circuit identifier.

## **<relay-option-82> (configuration/logical-systems/routing-instances/instance/bridge-domains/domain/forwarding-options/dhcp-relay)**

---

**Usage** <configuration>  
           <logical-systems>  
             <routing-instances>  
               <instance>  
                 <bridge-domains>  
                   <domain>  
                     <forwarding-options>  
                       <dhcp-relay>  
                         **<relay-option-82>**  
                           <circuit-id>...</circuit-id>  
                         **</relay-option-82>**  
                       </dhcp-relay>  
                     </forwarding-options>  
                   </domain>  
                 </bridge-domains>  
               </instance>  
             </routing-instances>  
           </logical-systems>  
         </configuration>

**Description** DHCP option-82 processing.

**Contents** <circuit-id>—Add circuit identifier.

## **<relay-option-82> (configuration/logical-systems/ routing-instances/instance/bridge-domains/domain/ forwarding-options/dhcp-relay/group)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <bridge-domains>  
           <domain>  
           <forwarding-options>  
           <dhcp-relay>  
           <group>  
               **<relay-option-82>**  
                   <circuit-id>...</circuit-id>  
               **</relay-option-82>**  
           </group>  
           </dhcp-relay>  
           </forwarding-options>  
           </domain>  
           </bridge-domains>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   DHCP option-82 processing.

**Contents**     <circuit-id>—Add circuit identifier.

## **<relay-option-82> (configuration/logical-systems/ routing-instances/instance/forwarding-options/dhcp-relay)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <forwarding-options>  
           <dhcp-relay>  
               **<relay-option-82>**  
                   <circuit-id>...</circuit-id>  
               **</relay-option-82>**  
           </dhcp-relay>  
           </forwarding-options>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   DHCP option-82 processing.

**Contents**     <circuit-id>—Add circuit identifier.

## **<relay-option-82> (configuration/logical-systems/ routing-instances/instance/forwarding-options/dhcp-relay/group)**

---

**Usage** <configuration>  
           <logical-systems>  
             <routing-instances>  
               <instance>  
                 <forwarding-options>  
                   <dhcp-relay>  
                     <group>  
                       **<relay-option-82>**  
                         <circuit-id>...</circuit-id>  
                       **</relay-option-82>**  
                     </group>  
                   </dhcp-relay>  
                 </forwarding-options>  
               </instance>  
             </routing-instances>  
           </logical-systems>  
         </configuration>

**Description** DHCP option-82 processing.

**Contents** <circuit-id>—Add circuit identifier.

## **<relay-option-82> (configuration/routing-instances/instance/ bridge-domains/domain/forwarding-options/dhcp-relay)**

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <bridge-domains>  
                 <domain>  
                   <forwarding-options>  
                     <dhcp-relay>  
                       **<relay-option-82>**  
                         <circuit-id>...</circuit-id>  
                       **</relay-option-82>**  
                     </dhcp-relay>  
                   </forwarding-options>  
                 </domain>  
               </bridge-domains>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** DHCP option-82 processing.

**Contents** <circuit-id>—Add circuit identifier.

## **<relay-option-82> (configuration/routing-instances/instance/bridge-domains/domain/forwarding-options/dhcp-relay/group)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <bridge-domains>  
                 <domain>  
                     <forwarding-options>  
                         <dhcp-relay>  
                             <group>  
                                 **<relay-option-82>**  
                                     <circuit-id>...</circuit-id>  
                                 **</relay-option-82>**  
                             </group>  
                         </dhcp-relay>  
                     </forwarding-options>  
                 </domain>  
             </bridge-domains>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** DHCP option-82 processing.

**Contents** <circuit-id>—Add circuit identifier.

## **<relay-option-82> (configuration/routing-instances/instance/forwarding-options/dhcp-relay)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <forwarding-options>  
                 <dhcp-relay>  
                     **<relay-option-82>**  
                         <circuit-id>...</circuit-id>  
                     **</relay-option-82>**  
                 </dhcp-relay>  
             </forwarding-options>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** DHCP option-82 processing.

**Contents** <circuit-id>—Add circuit identifier.

## **<relay-option-82> (configuration/routing-instances/instance/forwarding-options/dhcp-relay/group)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;forwarding-options&gt;         &lt;dhcp-relay&gt;           &lt;group&gt;             <b>&lt;relay-option-82&gt;</b>               &lt;circuit-id&gt;...&lt;/circuit-id&gt;             <b>&lt;/relay-option-82&gt;</b>           &lt;/group&gt;         &lt;/dhcp-relay&gt;       &lt;/forwarding-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	DHCP option-82 processing.
<b>Contents</b>	<circuit-id>—Add circuit identifier.

## **<remote> (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;remote&gt;</b>                 &lt;inet-address&gt;<i>inet-address</i>&lt;/inet-address&gt;                 &lt;mac-address&gt;<i>mac-address</i>&lt;/mac-address&gt;               <b>&lt;/remote&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>	<p>&lt;inet-address&gt;—Remote host address on Ethernet side of Ethernet TCC.</p> <p>&lt;mac-address&gt;—Remote host MAC address on Ethernet side of Ethernet TCC.</p>

**<remote> (configuration/interfaces/interface/unit/family/tcc)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <unit>  
                 <family>  
                   <tcc>  
                     **<remote>**  
                       <inet-address>*inet-address*</inet-address>  
                       <mac-address>*mac-address*</mac-address>  
                     **</remote>**  
                   </tcc>  
                 </family>  
               </unit>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** No documentation is available yet.

**Contents** <inet-address>—Remote host address on Ethernet side of Ethernet TCC.  
               <mac-address>—Remote host MAC address on Ethernet side of Ethernet TCC.

**<remote> (configuration/logical-systems/interfaces/interface/unit/family/tcc)**

---

**Usage** <configuration>  
           <logical-systems>  
             <interfaces>  
               <interface>  
                 <unit>  
                   <family>  
                     <tcc>  
                       **<remote>**  
                       <inet-address>*inet-address*</inet-address>  
                       <mac-address>*mac-address*</mac-address>  
                     **</remote>**  
                   </tcc>  
                 </family>  
               </unit>  
             </interface>  
           </logical-systems>  
         </configuration>

**Description** No documentation is available yet.

**Contents** <inet-address>—Remote host address on Ethernet side of Ethernet TCC.  
               <mac-address>—Remote host MAC address on Ethernet side of Ethernet TCC.



**<remote-engine> (configuration/snmp/v3/usm)**

---

**Usage** <configuration>  
     <snmp>  
         <v3>  
             <usm>  
                 <remote-engine>  
                     <name>name</name>   <!-- identifier -->  
                     <user>...</user>  
                 </remote-engine>  
             </usm>  
         </v3>  
     </snmp>  
</configuration>

**Description** Remote engine user configuration.

**Contents** <name>—Remote engine id.  
             <user>—SNMPv3 USM user information.

**<remote-id> (configuration/access/address-assignment/pool/family/inet/dhcp-attributes/option-match/option-82)**

---

**Usage** <configuration>  
     <access>  
         <address-assignment>  
             <pool>  
                 <family>  
                     <inet>  
                         <dhcp-attributes>  
                             <option-match>  
                                 <option-82>  
                                     <remote-id>  
   <name>name</name>   <!-- identifier -->  
   <range>range</range>   <!-- mandatory -->  
                                     </remote-id>  
                                 </option-82>  
                             </option-match>  
                         </dhcp-attributes>  
                     </inet>  
                 </family>  
             </pool>  
         </address-assignment>  
     </access>  
</configuration>

**Description** Remote ID portion of the option 82.

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

## **<remote-id> (configuration/forwarding-options/helpers/bootp/dhcp-option82)**

---

**Usage**   <configuration>  
           <forwarding-options>  
           <helpers>  
           <bootp>  
           <dhcp-option82>  
           **<remote-id>**  
             <prefix>*prefix-choice*</prefix>  
             <use-interface-description/>  
             <use-string>*use-string*</use-string>  
           **</remote-id>**  
           </dhcp-option82>  
           </bootp>  
           </helpers>  
           </forwarding-options>  
         </configuration>

**Description**   Configure DHCP option 82 remote id.

**Contents**   <prefix>—Configure DHCP option 82 remote id prefix.

- **hostname**—Set hostname as the prefix.
- **mac**—Set chassis MAC as the prefix.
- **none**—Set no prefix.

**<use-interface-description>**—Use interface description instead of name.

**<use-string>**—Use raw string instead of the default remote id.

## **<remote-id> (configuration/forwarding-options/helpers/bootp/interface/dhcp-option82)**

---

**Usage** <configuration>  
           <forwarding-options>  
           <helpers>  
           <bootp>  
           <interface>  
           <dhcp-option82>  
           **<remote-id>**  
             <prefix>*prefix-choice*</prefix>  
             <use-interface-description/>  
             <use-string>*use-string*</use-string>  
           **</remote-id>**  
           </dhcp-option82>  
           </interface>  
           </bootp>  
           </helpers>  
           </forwarding-options>  
         </configuration>

**Description** Configure DHCP option 82 remote id.

**Contents** <prefix>—Configure DHCP option 82 remote id prefix.

- hostname—Set hostname as the prefix.
- mac—Set chassis MAC as the prefix.
- none—Set no prefix.

<use-interface-description>—Use interface description instead of name.

<use-string>—Use raw string instead of the default remote id.

## **<remote-id> (configuration/logical-systems/access/address-assignment/pool/family/inet/dhcp-attributes/option-match/option-82)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <access>
      <address-assignment>
        <pool>
          <family>
            <inet>
              <dhcp-attributes>
                <option-match>
                  <option-82>
                    <remote-id>
                      <name>name</name>    <!-- identifier -->
                      <range>range</range>  <!-- mandatory -->
                    </remote-id>
                  </option-82>
                </option-match>
              </dhcp-attributes>
            </inet>
          </family>
        </pool>
      </address-assignment>
    </access>
  </logical-systems>
</configuration>

```

**Description** Remote ID portion of the option 82.

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

<range>—Range name.

## **<remote-id> (configuration/logical-systems/routing-instances/instance/access/address-assignment/pool/family/inet/dhcp-attributes/option-match/option-82)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <access>
          <address-assignment>
            <pool>
              <family>
                <inet>
                  <dhcp-attributes>
                    <option-match>
                      <option-82>
                        <remote-id>
                          <name>name</name>      <!-- identifier -->
                          <range>range</range>    <!-- mandatory -->
                        </remote-id>
                      </option-82>
                    </option-match>
                  </dhcp-attributes>
                </inet>
              </family>
            </pool>
          </address-assignment>
        </access>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Remote ID portion of the option 82.

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

<range>—Range name.

## **<remote-id> (configuration/logical-systems/routing-instances/instance/forwarding-options/helpers/bootp/dhcp-option82)**

---

**Usage**

```
<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <forwarding-options>
          <helpers>
            <bootp>
              <dhcp-option82>
                <remote-id>
                  <prefix>prefix-choice</prefix>
                  <use-interface-description/>
                  <use-string>use-string</use-string>
                </remote-id>
              </dhcp-option82>
            </bootp>
          </helpers>
        </forwarding-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>
```

**Description** Configure DHCP option 82 remote id.

**Contents** <prefix>—Configure DHCP option 82 remote id prefix.

- hostname—Set hostname as the prefix.
- mac—Set chassis MAC as the prefix.
- none—Set no prefix.

<use-interface-description>—Use interface description instead of name.

<use-string>—Use raw string instead of the default remote id.

## **<remote-id> (configuration/logical-systems/routing-instances/instance/forwarding-options/helpers/bootp/interface/dhcp-option82)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <forwarding-options>
          <helpers>
            <bootp>
              <interface>
                <dhcp-option82>
                  <remote-id>
                    <prefix>prefix-choice</prefix>
                    <use-interface-description/>
                    <use-string>use-string</use-string>
                  </remote-id>
                </dhcp-option82>
              </interface>
            </bootp>
          </helpers>
        </forwarding-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Configure DHCP option 82 remote id.

**Contents** <prefix>—Configure DHCP option 82 remote id prefix.

- hostname—Set hostname as the prefix.
- mac—Set chassis MAC as the prefix.
- none—Set no prefix.

<use-interface-description>—Use interface description instead of name.

<use-string>—Use raw string instead of the default remote id.

## **<remote-id> (configuration/routing-instances/instance/access/address-assignment/pool/family/inet/dhcp-attributes/option-match/option-82)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <access>
        <address-assignment>
          <pool>
            <family>
              <inet>
                <dhcp-attributes>
                  <option-match>
                    <option-82>
                      <remote-id>
                        <name>name</name>    <!-- identifier -->
                        <range>range</range>  <!-- mandatory -->
                      </remote-id>
                    </option-82>
                  </option-match>
                </dhcp-attributes>
              </inet>
            </family>
          </pool>
        </address-assignment>
      </access>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Remote ID portion of the option 82.

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

<range>—Range name.



## **<remote-id> (configuration/routing-instances/instance/forwarding-options/helpers/bootp/dhcp-option82)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <forwarding-options>  
           <helpers>  
           <bootp>  
           <dhcp-option82>  
           **<remote-id>**  
             <prefix>*prefix-choice*</prefix>  
             <use-interface-description/>  
             <use-string>*use-string*</use-string>  
           **</remote-id>**  
           </dhcp-option82>  
           </bootp>  
           </helpers>  
           </forwarding-options>  
           </instance>  
           </routing-instances>  
         </configuration>

**Description**   Configure DHCP option 82 remote id.

**Contents**   <prefix>—Configure DHCP option 82 remote id prefix.

- hostname—Set hostname as the prefix.
- mac—Set chassis MAC as the prefix.
- none—Set no prefix.

<use-interface-description>—Use interface description instead of name.

<use-string>—Use raw string instead of the default remote id.

## **<remote-id> (configuration/routing-instances/instance/forwarding-options/helpers/bootp/interface/dhcp-option82)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <forwarding-options>
        <helpers>
          <bootp>
            <interface>
              <dhcp-option82>
                <remote-id>
                  <prefix>prefix-choice</prefix>
                  <use-interface-description/>
                  <use-string>use-string</use-string>
                </remote-id>
              </dhcp-option82>
            </interface>
          </bootp>
        </helpers>
      </forwarding-options>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Configure DHCP option 82 remote id.

**Contents** <prefix>—Configure DHCP option 82 remote id prefix.

- hostname—Set hostname as the prefix.
- mac—Set chassis MAC as the prefix.
- none—Set no prefix.

<use-interface-description>—Use interface description instead of name.

<use-string>—Use raw string instead of the default remote id.

**<remote-id> (configuration/services/ipsec-vpn/ike/policy)**

---

**Usage** <configuration>  
           <services>  
             <ipsec-vpn>  
               <ike>  
                 <policy>  
                   **<remote-id>**  
                     <any-remote-id/>  
                     <ipv4\_addr>...</ipv4\_addr>  
                     <fqdn>...</fqdn>  
                     <key-id>...</key-id>  
                     <ipv6-addr>...</ipv6-addr>  
                   **</remote-id>**  
                 </policy>  
               </ike>  
             </ipsec-vpn>  
           </services>  
         </configuration>

**Description** Define remote identification.

**Contents** <any-remote-id>—Allow any remote ID.

<fqdn>—One or more fully qualified domain name values.

<ipv4\_addr>—One or more IPv4 address identification values.

<ipv6-addr>—One or more IPv6 address identification values.

<key-id>—One or more key ID identification values.

## **<remote-interface-switch> (configuration/logical-systems/protocols/connections)**

---

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

**Description** Bidirectional switch between a local and a remote interface.

**Contents** <interface>—Local interface name.

<name>—Name of remote interface switch.

<receive-lsp>—Name of incoming label-switched path.

<transmit-lsp>—Name of outgoing label-switched path.

## **<remote-interface-switch> (configuration/protocols/connections)**

---

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

**Description** Bidirectional switch between a local and a remote interface.

**Contents** <interface>—Local interface name.

<name>—Name of remote interface switch.

<receive-lsp>—Name of incoming label-switched path.

<transmit-lsp>—Name of outgoing label-switched path.

## **<remote-mep> (configuration/logical-systems/protocols/oam/ethernet/connectivity-fault-management/maintenance-domain/maintenance-association/mep)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <oam>
        <ethernet>
          <connectivity-fault-management>
            <maintenance-domain>
              <maintenance-association>
                <mep>
                  <remote-mep>
                    <name>name</name>    <!-- identifier -->
                    <action-profile>action-profile</action-profile>
                  </remote-mep>
                </mep>
              </maintenance-association>
            </maintenance-domain>
          </connectivity-fault-management>
        </ethernet>
      </oam>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Remote maintenance association endpoint configuration.

**Contents** <action-profile>—Name of the action profile.

<name>—Identifier for remote maintenance association endpoint.

## **<remote-mep> (configuration/protocols/oam/ethernet/connectivity-fault-management/maintenance-domain/maintenance-association/mep)**

---

**Usage**

```

<configuration>
  <protocols>
    <oam>
      <ethernet>
        <connectivity-fault-management>
          <maintenance-domain>
            <maintenance-association>
              <mep>
                <remote-mep>
                  <name>name</name>    <!-- identifier -->
                  <action-profile>action-profile</action-profile>
                </remote-mep>
              </mep>
            </maintenance-association>
          </maintenance-domain>
        </connectivity-fault-management>
      </ethernet>
    </oam>
  </protocols>
</configuration>

```

**Description** Remote maintenance association endpoint configuration.

**Contents** <action-profile>—Name of the action profile.

<name>—Identifier for remote maintenance association endpoint.

## **<remove-acknowledgement> (configuration/services/ggsn/rule-space/redirect-with-acknowledgement)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <rule-space>  
                 <redirect-with-acknowledgement>  
                     **<remove-acknowledgement>**  
                         <remove-for-service-identifiers>...</remove-for-service-identifiers>  
                         <no-remove-for-service-identifiers>...</no-remove-for-service-identifiers>  
                     **</remove-acknowledgement>**  
                 </redirect-with-acknowledgement>  
             </rule-space>  
         </ggsn>  
     </services>  
 </configuration>

**Description** Settings for removal of acknowledgement parameter from request URI.

**Contents** <no-remove-for-service-identifiers>—Do not remove acknowledgement parameter for Service identifiers.

<remove-for-service-identifiers>—Remove acknowledgement parameter for Service identifiers.

## **<remove-for-service-identifiers> (configuration/services/ggsn/rule-space/redirect-with-acknowledgement/remove-acknowledgement)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <rule-space>  
                 <redirect-with-acknowledgement>  
                     <remove-acknowledgement>  
                         **<remove-for-service-identifiers>**  
                             <name>name</name>   <!-- identifier -->  
                         **</remove-for-service-identifiers>**  
                     </remove-acknowledgement>  
                 </redirect-with-acknowledgement>  
             </rule-space>  
         </ggsn>  
     </services>  
 </configuration>

**Description** Remove acknowledgement parameter for Service identifiers.

**Contents** <name>—Remove acknowledgement parameter for Service identifiers.

**<renew> (configuration/system/license)**

---

**Usage** <configuration>  
           <system>  
             <license>  
               **<renew>**  
                 <before-expiration>*before-expiration*</before-expiration>   <!-- mandatory -->  
                 <interval>*interval*</interval>   <!-- mandatory -->  
               **</renew>**  
             </license>  
           </system>  
   </configuration>

**Description** License renew lead time and checking interval.

**Contents** <before-expiration>—License renew lead time before expiration in days.  
               <interval>—License checking interval in hours.

**<replay-method> (configuration/services/mobile-ip/peer/ip-address/spi)**

---

**Usage** <configuration>  
           <services>  
             <mobile-ip>  
               <peer>  
                 <ip-address>  
                   <spi>  
                     **<replay-method>**  
                       <timestamp>...</timestamp>  
                       <none/>  
                     **</replay-method>**  
                   </spi>  
                 </ip-address>  
               </peer>  
             </mobile-ip>  
           </services>  
   </configuration>

**Description** Replay protection method.

**Contents** <none>—No replay protection.  
               <timestamp>—Replay protection method based on timestamp.



**<replay-method> (configuration/services/mobile-ip/peer/nai/spi)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;mobile-ip&gt;       &lt;peer&gt;         &lt;nai&gt;           &lt;spi&gt;             &lt;replay-method&gt;               &lt;timestamp&gt;...&lt;/timestamp&gt;               &lt;none/&gt;             &lt;/replay-method&gt;           &lt;/spi&gt;         &lt;/peer&gt;       &lt;/mobile-ip&gt;     &lt;/services&gt;   &lt;/configuration&gt; </pre>
<b>Description</b>	Replay protection method.
<b>Contents</b>	<p>&lt;none&gt;—No replay protection.</p> <p>&lt;timestamp&gt;—Replay protection method based on timestamp.</p>

**<report-service-change> (configuration/services/pgcp/gateway/data-inactivity-detection)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;pgcp&gt;       &lt;gateway&gt;         &lt;data-inactivity-detection&gt;           &lt;report-service-change&gt;             &lt;service-change-type&gt;service-change-type-choice&lt;/service-change-type&gt;           &lt;!-- mandatory --&gt;           &lt;/report-service-change&gt;         &lt;/data-inactivity-detection&gt;       &lt;/gateway&gt;     &lt;/pgcp&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Configure the data-inactivity service-change behavior.
<b>Contents</b>	<p>&lt;service-change-type&gt;—Configure the service-change type to be sent upon data-inactivity.</p> <ul style="list-style-type: none"> <li>■ forced-906—Send FO/906 service change.</li> <li>■ forced-910—Send FO/910 service change.</li> </ul>

## **<request-quota> (configuration/services/ggsn/apn/service-based-charging/credit-control/profile)**

---

**Usage**

```

<configuration>
  <services>
    <ggsn>
      <apn>
        <service-based-charging>
          <credit-control>
            <profile>
              <request-quota>
                <best-effort>...</best-effort>
                <conversational>...</conversational>
                <interactive>...</interactive>
                <streaming>...</streaming>
              </request-quota>
            </profile>
          </credit-control>
        </service-based-charging>
      </apn>
    </ggsn>
  </services>
</configuration>

```

**Description** Proposed quota to request.

**Contents**

- <best-effort>—Quota settings for best effort traffic.
- <conversational>—Quota settings for conversational traffic.
- <interactive>—Quota settings for interactive traffic.
- <streaming>—Quota settings for streaming traffic.

## **<request-uri> (configuration/services/border-signaling-gateway/gateway/sip/new-call-usage-policy/term/from)**

---

**Usage** <configuration>  
     <services>  
         <border-signaling-gateway>  
             <gateway>  
                 <sip>  
                     <new-call-usage-policy>  
                         <term>  
                             <from>  
                                 **<request-uri>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</request-uri>**  
                             </from>  
                         </term>  
                     </new-call-usage-policy>  
                 </sip>  
             </gateway>  
         </border-signaling-gateway>  
     </services>  
 </configuration>

**Description** Request URI field.

**Contents** <name>—Request URI field.

## **<request-uri> (configuration/services/border-signaling-gateway/gateway/sip/new-transaction-policy/term/from)**

---

**Usage** <configuration>  
     <services>  
         <border-signaling-gateway>  
             <gateway>  
                 <sip>  
                     <new-transaction-policy>  
                         <term>  
                             <from>  
                                 **<request-uri>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</request-uri>**  
                             </from>  
                         </term>  
                     </new-transaction-policy>  
                 </sip>  
             </gateway>  
         </border-signaling-gateway>  
     </services>  
 </configuration>

**Description** Request URI field.

**Contents** <name>—Request URI field.

## <request-uri> (configuration/services/ggsn/service-identification/sip-rule/term/from/sip)

---

**Usage**

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <sip-rule>
          <term>
            <from>
              <sip>
                <request-uri>
                <include-uri-handling>...</include-uri-handling>
                <is>is</is>
                <not-is>...</not-is>
                <starts-with>starts-with</starts-with>
                <not-starts-with>...</not-starts-with>
                <ends-with>ends-with</ends-with>
                <not-ends-with>...</not-ends-with>
                <contains>...</contains>
                <not-contains>...</not-contains>
              </request-uri>
            </sip>
          </from>
        </term>
      </sip-rule>
    </service-identification>
  </ggsn>
</services>
</configuration>

```

**Description** URI settings.

**Contents** <contains>—Matches a substring.

<ends-with>—End matches.

<include-uri-handling>—No documentation is available yet.

<is>—Exact match.

<not-contains>—Doesn't match a substring.

<not-ends-with>—End doesn't match.

<not-is>—Exclude exact match.

<not-starts-with>—Beginning doesn't match.

<starts-with>—Beginning matches.

## **<required-depth> (configuration/dynamic-profiles/interfaces/interface/atm-options/mpls/pop-all-labels)**

---

**Usage** <configuration>  
     <dynamic-profiles>  
         <interfaces>  
             <interface>  
                 <atm-options>  
                     <mpls>  
                         <pop-all-labels>  
                             **<required-depth>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</required-depth>**  
                         </pop-all-labels>  
                     </mpls>  
                 </atm-options>  
             </interface>  
         </interfaces>  
     </dynamic-profiles>  
 </configuration>

**Description** Required label depth of packet to pop all labels.

**Contents** <name>—Required label depth of packet to pop all labels.

## **<required-depth> (configuration/dynamic-profiles/interfaces/interface/fastether-options/mpls/pop-all-labels)**

---

**Usage** <configuration>  
     <dynamic-profiles>  
         <interfaces>  
             <interface>  
                 <fastether-options>  
                     <mpls>  
                         <pop-all-labels>  
                             **<required-depth>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</required-depth>**  
                         </pop-all-labels>  
                     </mpls>  
                 </fastether-options>  
             </interface>  
         </interfaces>  
     </dynamic-profiles>  
 </configuration>

**Description** Required label depth of packet to pop all labels.

**Contents** <name>—Required label depth of packet to pop all labels.

## **<required-depth> (configuration/dynamic-profiles/interfaces/interface/gigether-options/mpls/pop-all-labels)**

---

**Usage** <configuration>  
     <dynamic-profiles>  
         <interfaces>  
             <interface>  
                 <gigether-options>  
                     <mpls>  
                         <pop-all-labels>  
                             **<required-depth>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</required-depth>**  
                         </pop-all-labels>  
                     </mpls>  
                 </gigether-options>  
             </interface>  
         </interfaces>  
     </dynamic-profiles>  
 </configuration>

**Description** Required label depth of packet to pop all labels.

**Contents** <name>—Required label depth of packet to pop all labels.

## **<required-depth> (configuration/dynamic-profiles/interfaces/interface/sonet-options/mpls/pop-all-labels)**

---

**Usage** <configuration>  
     <dynamic-profiles>  
         <interfaces>  
             <interface>  
                 <sonet-options>  
                     <mpls>  
                         <pop-all-labels>  
                             **<required-depth>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</required-depth>**  
                         </pop-all-labels>  
                     </mpls>  
                 </sonet-options>  
             </interface>  
         </interfaces>  
     </dynamic-profiles>  
 </configuration>

**Description** Required label depth of packet to pop all labels.

**Contents** <name>—Required label depth of packet to pop all labels.

### **<required-depth> (configuration/interfaces/interface/atm-options/mpls/pop-all-labels)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <atm-options>  
                 <mpls>  
                   <pop-all-labels>  
                     **<required-depth>**  
                       <name>*name*</name>   <!-- identifier -->  
                     **</required-depth>**  
                   </pop-all-labels>  
                 </mpls>  
               </atm-options>  
             </interface>  
           </interfaces>  
   </configuration>

**Description** Required label depth of packet to pop all labels.

**Contents** <name>—Required label depth of packet to pop all labels.

### **<required-depth> (configuration/interfaces/interface/fastether-options/mpls/pop-all-labels)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <fastether-options>  
                 <mpls>  
                   <pop-all-labels>  
                     **<required-depth>**  
                       <name>*name*</name>   <!-- identifier -->  
                     **</required-depth>**  
                   </pop-all-labels>  
                 </mpls>  
               </fastether-options>  
             </interface>  
           </interfaces>  
   </configuration>

**Description** Required label depth of packet to pop all labels.

**Contents** <name>—Required label depth of packet to pop all labels.

## **<required-depth> (configuration/interfaces/interface/gigether-options/mpls/pop-all-labels)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <gigether-options>  
                 <mpls>  
                   <pop-all-labels>  
                     **<required-depth>**  
                       <name>name</name>   <!-- identifier -->  
                     **</required-depth>**  
                   </pop-all-labels>  
                 </mpls>  
               </gigether-options>  
             </interface>  
           </interfaces>  
   </configuration>

**Description** Required label depth of packet to pop all labels.

**Contents** <name>—Required label depth of packet to pop all labels.

## **<required-depth> (configuration/interfaces/interface/sonet-options/mpls/pop-all-labels)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <sonet-options>  
                 <mpls>  
                   <pop-all-labels>  
                     **<required-depth>**  
                       <name>name</name>   <!-- identifier -->  
                     **</required-depth>**  
                   </pop-all-labels>  
                 </mpls>  
               </sonet-options>  
             </interface>  
           </interfaces>  
   </configuration>

**Description** Required label depth of packet to pop all labels.

**Contents** <name>—Required label depth of packet to pop all labels.



## **<resolution> (configuration/logical-systems/routing-instances/instance/routing-options)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-instances&gt;       &lt;instance&gt;         &lt;routing-options&gt;           &lt;resolution&gt;             &lt;tracefilter&gt;...&lt;/tracefilter&gt;             &lt;traceoptions&gt;...&lt;/traceoptions&gt;             &lt;rib&gt;...&lt;/rib&gt;           &lt;/resolution&gt;         &lt;/routing-options&gt;       &lt;/instance&gt;     &lt;/routing-instances&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Route next-hop resolution options.
<b>Contents</b>	<p>&lt;rib&gt;—Routing table resolution options.</p> <p>&lt;tracefilter&gt;—Filter policy.</p> <p>&lt;traceoptions&gt;—Trace options.</p>

## **<resolution> (configuration/logical-systems/routing-options)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;resolution&gt;         &lt;tracefilter&gt;...&lt;/tracefilter&gt;         &lt;traceoptions&gt;...&lt;/traceoptions&gt;         &lt;rib&gt;...&lt;/rib&gt;       &lt;/resolution&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Route next-hop resolution options.
<b>Contents</b>	<p>&lt;rib&gt;—Routing table resolution options.</p> <p>&lt;tracefilter&gt;—Filter policy.</p> <p>&lt;traceoptions&gt;—Trace options.</p>

## **<resolution> (configuration/routing-instances/instance/routing-options)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;routing-options&gt;         &lt;resolution&gt;           &lt;tracefilter&gt;...&lt;/tracefilter&gt;           &lt;traceoptions&gt;...&lt;/traceoptions&gt;           &lt;rib&gt;...&lt;/rib&gt;         &lt;/resolution&gt;       &lt;/routing-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Route next-hop resolution options.
<b>Contents</b>	<p>&lt;rib&gt;—Routing table resolution options.</p> <p>&lt;tracefilter&gt;—Filter policy.</p> <p>&lt;traceoptions&gt;—Trace options.</p>

## **<resolution> (configuration/routing-options)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-options&gt;     &lt;resolution&gt;       &lt;tracefilter&gt;...&lt;/tracefilter&gt;       &lt;traceoptions&gt;...&lt;/traceoptions&gt;       &lt;rib&gt;...&lt;/rib&gt;     &lt;/resolution&gt;   &lt;/routing-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Route next-hop resolution options.
<b>Contents</b>	<p>&lt;rib&gt;—Routing table resolution options.</p> <p>&lt;tracefilter&gt;—Filter policy.</p> <p>&lt;traceoptions&gt;—Trace options.</p>

## **<resolution-ribs> (configuration/logical-systems/ routing-instances/instance/routing-options/resolution/rib)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <routing-options>  
                     <resolution>  
                         <rib>  
                             **<resolution-ribs>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</resolution-ribs>**  
                         </rib>  
                     </resolution>  
                 </routing-options>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** Routing tables to use for resolution.

**Contents** <name>—Routing tables to use for resolution.

## **<resolution-ribs> (configuration/logical-systems/ routing-options/resolution/rib)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-options>  
             <resolution>  
                 <rib>  
                     **<resolution-ribs>**  
                         <name>*name*</name>   <!-- identifier -->  
                     **</resolution-ribs>**  
                 </rib>  
             </resolution>  
         </routing-options>  
     </logical-systems>  
</configuration>

**Description** Routing tables to use for resolution.

**Contents** <name>—Routing tables to use for resolution.

## **<resolution-ribs> (configuration/routing-instances/instance/routing-options/resolution/rib)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <routing-options>  
                 <resolution>  
                     <rib>  
                         **<resolution-ribs>**  
                             <name>*name*</name>   <!-- identifier -->  
                         **</resolution-ribs>**  
                     </rib>  
                 </resolution>  
             </routing-options>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Routing tables to use for resolution.

**Contents** <name>—Routing tables to use for resolution.

## **<resolution-ribs> (configuration/routing-options/resolution/rib)**

---

**Usage** <configuration>  
     <routing-options>  
         <resolution>  
             <rib>  
                 **<resolution-ribs>**  
                     <name>*name*</name>   <!-- identifier -->  
                 **</resolution-ribs>**  
             </rib>  
         </resolution>  
     </routing-options>  
 </configuration>

**Description** Routing tables to use for resolution.

**Contents** <name>—Routing tables to use for resolution.

**<resource-cleanup> (configuration/system/processes)**

---

- Usage** <configuration>  
           <system>  
             <processes>  
               **<resource-cleanup>**  
                 <disable/>  
                 <traceoptions>...</traceoptions>  
               **</resource-cleanup>**  
             </processes>  
           </system>  
         </configuration>
- Description** Resource cleanup process.
- Contents** <disable>—Disable Resource cleanup process.  
             <traceoptions>—Resource cleanup process trace options.

**<resource-identification> (configuration/services/ggsn/apn/service-based-charging)**

---

- Usage** <configuration>  
           <services>  
             <ggsn>  
               <apn>  
                 <service-based-charging>  
                   **<resource-identification>**  
                     <service-set>service-set</service-set>  
                   **</resource-identification>**  
                 </service-based-charging>  
               </apn>  
             </ggsn>  
           </services>  
         </configuration>
- Description** Resource identification service settings.
- Contents** <service-set>—Resource identification service set for APN.

## **<response-code> (configuration/services/ggsn/service-identification/sip-rule/term/from/sip)**

---

**Usage**

```

<configuration>
  <services>
    <ggsn>
      <service-identification>
        <sip-rule>
          <term>
            <from>
              <sip>
                <response-code>
                <is>...</is>
                </response-code>
              </sip>
            </from>
          </term>
        </sip-rule>
      </service-identification>
    </ggsn>
  </services>
</configuration>

```

**Description** Response code settings.

**Contents** <is>—Exact match.

## **<restricted-queues> (configuration/class-of-service)**

---

**Usage**

```

<configuration>
  <class-of-service>
    <restricted-queues>
    <forwarding-class>...</forwarding-class>
    </restricted-queues>
  </class-of-service>
</configuration>

```

**Description** Map forwarding classes to restricted queues.

**Contents** <forwarding-class>—Forwarding class to map to a restricted queue.

## **<restricted-queues> (configuration/dynamic-profiles/class-of-service)**

---

- Usage**   <configuration>  
           <dynamic-profiles>  
           <class-of-service>  
             **<restricted-queues>**  
               <forwarding-class>...</forwarding-class>  
             **</restricted-queues>**  
           </class-of-service>  
         </dynamic-profiles>  
       </configuration>
- Description**   Map forwarding classes to restricted queues.
- Contents**    <forwarding-class>—Forwarding class to map to a restricted queue.

## **<retry-count> (configuration/event-options/policy/then/event-script/destination)**

---

- Usage**   <configuration>  
           <event-options>  
           <policy>  
           <then>  
             <event-script>  
             <destination>  
               **<retry-count>**  
                 <retry>retry</retry>   <!-- mandatory -->  
                 <retry-interval>seconds</retry-interval>   <!-- mandatory -->  
               **</retry-count>**  
             </destination>  
           </event-script>  
         </then>  
       </policy>  
     </event-options>  
  </configuration>
- Description**   Upload output-filename retry attempt count.
- Contents**    <retry>—Number of retry attempts.
- <retry-interval>—Time interval between each retry.

## **<retry-count> (configuration/event-options/policy/then/execute-commands/destination)**

---

**Usage** <configuration>  
     <event-options>  
         <policy>  
             <then>  
                 <execute-commands>  
                     <destination>  
                         **<retry-count>**  
                             <retry>retry</retry>   <!-- mandatory -->  
                             <retry-interval>seconds</retry-interval>   <!-- mandatory -->  
                         **</retry-count>**  
                     </destination>  
                 </execute-commands>  
             </then>  
         </policy>  
     </event-options>  
</configuration>

**Description** Upload output-filename retry attempt count.

**Contents** <retry>—Number of retry attempts.

<retry-interval>—Time interval between each retry.

## **<retry-count> (configuration/event-options/policy/then/upload)**

---

**Usage** <configuration>  
     <event-options>  
         <policy>  
             <then>  
                 <upload>  
                     **<retry-count>**  
                         <retry>retry</retry>   <!-- mandatory -->  
                         <retry-interval>seconds</retry-interval>   <!-- mandatory -->  
                     **</retry-count>**  
                 </upload>  
             </then>  
         </policy>  
     </event-options>  
</configuration>

**Description** Upload output-filename retry attempt count.

**Contents** <retry>—Number of retry attempts.

<retry-interval>—Time interval between each retry.



**<retry-options> (configuration/system/login)**

---

**Usage** <configuration>  
           <system>  
             <login>  
               **<retry-options>**  
                 <tries-before-disconnect>*tries-before-disconnect*</tries-before-disconnect>  
                 <backoff-threshold>*backoff-threshold*</backoff-threshold>  
                 <backoff-factor>*backoff-factor*</backoff-factor>  
                 <minimum-time>*minimum-time*</minimum-time>  
               **</retry-options>**  
             </login>  
           </system>  
         </configuration>

**Description** Configure password retry options.

**Contents** <backoff-factor>—Delay factor after 'backoff-threshold' password failures.  
               <backoff-threshold>—Number of password failures before delay is introduced.  
               <minimum-time>—Minimum total connection time if all attempts fail.  
               <tries-before-disconnect>—Number of times user is allowed to try password.

**<reverse> (configuration/services/cos/rule/term/then)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;cos&gt;       &lt;rule&gt;         &lt;term&gt;           &lt;then&gt;             &lt;reverse&gt;               &lt;dscp&gt;dscp&lt;/dscp&gt;               &lt;forwarding-class&gt;forwarding-class&lt;/forwarding-class&gt;               &lt;application-profile&gt;application-profile&lt;/application-profile&gt;               &lt;syslog/&gt;             &lt;/reverse&gt;           &lt;/then&gt;         &lt;/term&gt;       &lt;/rule&gt;     &lt;/cos&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	CoS treatment for reverse traffic.
<b>Contents</b>	<p>&lt;application-profile&gt;—CoS application profile.</p> <p>&lt;dscp&gt;—Code point alias or bit string.</p> <p>&lt;forwarding-class&gt;—Forwarding class assigned to outgoing packets.</p> <p>&lt;syslog&gt;—System log information about the packet.</p>

**<reverse-flow> (configuration/services/service-set/service-order)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;service-set&gt;       &lt;service-order&gt;         &lt;reverse-flow&gt;           &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;/reverse-flow&gt;       &lt;/service-order&gt;     &lt;/service-set&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Service Order for reverse flow.
<b>Contents</b>	<name>—Service Name.

**<revocation-check> (configuration/security/pki/ca-profile)**

---

- Usage** `<configuration>  
     <security>  
         <pki>  
             <ca-profile>  
                 <revocation-check>  
                     <disable/>  
                     <crl>...</crl>  
                 </revocation-check>  
             </ca-profile>  
         </pki>  
     </security>  
</configuration>`
- Description** Method for checking certificate revocations.
- Contents** `<crl>`—Certificate revocation list configuration.  
`<disable>`—Disable revocation check.

**<rewrite-rules> (configuration/class-of-service)**

---

- Usage** `<configuration>  
     <class-of-service>  
         <rewrite-rules>  
             <dscp>...</dscp>  
             <dscp-ipv6>...</dscp-ipv6>  
             <exp>...</exp>  
             <ieee-802.1>...</ieee-802.1>  
             <inet-precedence>...</inet-precedence>  
             <frame-relay-de>...</frame-relay-de>  
             <ieee-802.1ad>...</ieee-802.1ad>  
         </rewrite-rules>  
     </class-of-service>  
</configuration>`
- Description** Write code point value of outgoing packets.
- Contents** `<dscp>`—Differentiated Services code point rewrite rule.  
`<dscp-ipv6>`—Differentiated Services code point rewrite rule IPv6.  
`<exp>`—MPLS EXP rewrite rule.  
`<frame-relay-de>`—Frame relay discard eligible bit rewrite rule.  
`<ieee-802.1>`—IEEE-802.1 rewrite rule.  
`<ieee-802.1ad>`—IEEE-802.1ad (DEI) rewrite rule.  
`<inet-precedence>`—IPv4 precedence rewrite rule.

## <rewrite-rules> (configuration/class-of-service/interfaces/interface/unit)

---

**Usage**

```

<configuration>
  <class-of-service>
    <interfaces>
      <interface>
        <unit>
          <rewrite-rules>
            <dscp>...</dscp>
            <dscp-ipv6>...</dscp-ipv6>
            <exp>...</exp>
            <ieee-802.1>...</ieee-802.1>
            <inet-precedence>...</inet-precedence>
            <exp-swap-push-push>...</exp-swap-push-push>
            <exp-push-push-push>...</exp-push-push-push>
            <frame-relay-de>...</frame-relay-de>
            <ieee-802.1ad>...</ieee-802.1ad>
          </rewrite-rules>
        </unit>
      </interface>
    </interfaces>
  </class-of-service>
</configuration>

```

**Description** Rewrite rules applied to outgoing packets.

**Contents** <dscp>—Differentiated Services code point rewrite rule.

<dscp-ipv6>—Differentiated Services code point rewrite rule IPv6.

<exp>—EXP rewrite rule.

<exp-push-push-push>—Top-label EXP rewrite rule for push-push-push operation.

<exp-swap-push-push>—Copy incoming EXP into all swap-push-push labels.

<frame-relay-de>—Frame relay discard eligible bit rewrite rule.

<ieee-802.1>—IEEE-802.1 rewrite rule.

<ieee-802.1ad>—IEEE-802.1ad (DEI) rewrite rule.

<inet-precedence>—IPv4 precedence rewrite rule.

**<rewrite-rules> (configuration/dynamic-profiles/class-of-service)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
             <class-of-service>  
               **<rewrite-rules>**  
                 <dscp>...</dscp>  
                 <dscp-ipv6>...</dscp-ipv6>  
                 <exp>...</exp>  
                 <ieee-802.1>...</ieee-802.1>  
                 <inet-precedence>...</inet-precedence>  
                 <frame-relay-de>...</frame-relay-de>  
                 <ieee-802.1ad>...</ieee-802.1ad>  
               **</rewrite-rules>**  
             </class-of-service>  
           </dynamic-profiles>  
         </configuration>

**Description** Write code point value of outgoing packets.

**Contents** <dscp>—Differentiated Services code point rewrite rule.  
               <dscp-ipv6>—Differentiated Services code point rewrite rule IPv6.  
               <exp>—MPLS EXP rewrite rule.  
               <frame-relay-de>—Frame relay discard eligible bit rewrite rule.  
               <ieee-802.1>—IEEE-802.1 rewrite rule.  
               <ieee-802.1ad>—IEEE-802.1ad (DEI) rewrite rule.  
               <inet-precedence>—IPv4 precedence rewrite rule.

## <rewrite-rules> (configuration/dynamic-profiles/class-of-service/interfaces/interface/unit)

---

**Usage**

```

<configuration>
  <dynamic-profiles>
    <class-of-service>
      <interfaces>
        <interface>
          <unit>
            <rewrite-rules>
              <dscp>...</dscp>
              <dscp-ipv6>...</dscp-ipv6>
              <exp>...</exp>
              <ieee-802.1>...</ieee-802.1>
              <inet-precedence>...</inet-precedence>
              <exp-swap-push-push>...</exp-swap-push-push>
              <exp-push-push-push>...</exp-push-push-push>
              <frame-relay-de>...</frame-relay-de>
              <ieee-802.1ad>...</ieee-802.1ad>
            </rewrite-rules>
          </unit>
        </interface>
      </interfaces>
    </class-of-service>
  </dynamic-profiles>
</configuration>

```

**Description** Rewrite rules applied to outgoing packets.

**Contents**

- <dscp>—Differentiated Services code point rewrite rule.
- <dscp-ipv6>—Differentiated Services code point rewrite rule IPv6.
- <exp>—EXP rewrite rule.
- <exp-push-push-push>—Top-label EXP rewrite rule for push-push-push operation.
- <exp-swap-push-push>—Copy incoming EXP into all swap-push-push labels.
- <frame-relay-de>—Frame relay discard eligible bit rewrite rule.
- <ieee-802.1>—IEEE-802.1 rewrite rule.
- <ieee-802.1ad>—IEEE-802.1ad (DEI) rewrite rule.
- <inet-precedence>—IPv4 precedence rewrite rule.

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

---

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

**Description** RFI-L defect trigger.

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

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

---

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

**Description** RFI-L defect trigger.

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

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;dynamic-profiles&gt;     &lt;interfaces&gt;       &lt;interface&gt;         &lt;sonet-options&gt;           &lt;trigger&gt;             <b>&lt;rfi-p&gt;</b>               &lt;ignore/&gt;               &lt;hold-time&gt;...&lt;/hold-time&gt;             <b>&lt;/rfi-p&gt;</b>           &lt;/trigger&gt;         &lt;/sonet-options&gt;       &lt;/interface&gt;     &lt;/interfaces&gt;   &lt;/dynamic-profiles&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	RFI-P defect trigger.
<b>Contents</b>	<p><b>&lt;hold-time&gt;</b>—Delay before marking interface up or down for defect.</p> <p><b>&lt;ignore&gt;</b>—Ignore the defect.</p>

## **<rfi-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;           <b>&lt;rfi-p&gt;</b>             &lt;ignore/&gt;             &lt;hold-time&gt;...&lt;/hold-time&gt;           <b>&lt;/rfi-p&gt;</b>         &lt;/trigger&gt;       &lt;/sonet-options&gt;     &lt;/interface&gt;   &lt;/interfaces&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	RFI-P defect trigger.
<b>Contents</b>	<p><b>&lt;hold-time&gt;</b>—Delay before marking interface up or down for defect.</p> <p><b>&lt;ignore&gt;</b>—Ignore the defect.</p>



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

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <bgp>  
                 <family>  
                   <inet>  
                     <labeled-unicast>  
                       **<rib>**  
                       <inet.3/>  
                       **</rib>**  
                     </labeled-unicast>  
                   </inet>  
                 </family>  
               </bgp>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** Select table used by labeled unicast routes.

**Contents** <inet.3>—Use inet.3 to exchange labeled unicast routes.

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

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <bgp>  
                 <group>  
                   <family>  
                     <inet>  
                       <labeled-unicast>  
                       **<rib>**  
                       <inet.3/>  
                       **</rib>**  
                     </labeled-unicast>  
                   </inet>  
                 </family>  
               </group>  
             </bgp>  
           </protocols>  
         </logical-systems>  
       </configuration>

**Description** Select table used by labeled unicast routes.

**Contents** <inet.3>—Use inet.3 to exchange labeled unicast routes.

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

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <group>  
          <neighbor>  
          <family>  
          <inet>  
          <labeled-unicast>  
          **<rib>**  
          <inet.3/>  
          **</rib>**  
          </labeled-unicast>  
          </inet>  
          </family>  
          </neighbor>  
          </group>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Select table used by labeled unicast routes.

**Contents**   <inet.3>—Use inet.3 to exchange labeled unicast routes.

## **<rib> (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>  
           **<rib>**  
           <inet.3/>  
           **</rib>**  
           </labeled-unicast>  
           </inet>  
           </family>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Select table used by labeled unicast routes.

**Contents**   <inet.3>—Use inet.3 to exchange labeled unicast routes.

## **<rib> (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>
                    <rib>
                      <inet.3/>
                    </rib>
                  </labeled-unicast>
                </inet>
              </family>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Select table used by labeled unicast routes.

**Contents** <inet.3>—Use inet.3 to exchange labeled unicast routes.

## **<rib> (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>  
   **<rib>**  
     <inet.3/>  
   **</rib>**  
 </labeled-unicast>  
 </inet>  
 </family>  
 </neighbor>  
 </group>  
 </bgp>  
 </protocols>  
 </instance>  
 </routing-instances>  
 </logical-systems>  
 </configuration>

**Description** Select table used by labeled unicast routes.

**Contents** <inet.3>—Use inet.3 to exchange labeled unicast routes.

## <rib> (configuration/logical-systems/routing-instances/instance/routing-options)

---

**Usage** <configuration>  
 <logical-systems>  
 <routing-instances>  
 <instance>  
 <routing-options>  
   **<rib>**  
     <name>name</name>   <!-- identifier -->  
     <static>...</static>  
     <martians>...</martians>  
     <aggregate>...</aggregate>  
     <generate>...</generate>  
     <maximum-paths>...</maximum-paths>  
     <maximum-prefixes>...</maximum-prefixes>  
     <multipath>...</multipath>  
   **</rib>**  
 </routing-options>  
 </instance>  
 </routing-instances>  
 </logical-systems>  
 </configuration>

**Description** Routing table options.

**Contents** <aggregate>—Coalesced routes.  
 <generate>—Route of last resort.  
 <martians>—Invalid routes.  
 <maximum-paths>—Maximum number of paths.  
 <maximum-prefixes>—Maximum number of prefixes.  
 <multipath>—Protocol-independent load balancing.  
 <name>—Routing table name.  
 <static>—Static routes.

**<rib> (configuration/logical-systems/routing-instances/instance/  
routing-options/resolution)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <resolution>  
          **<rib>**  
            <name>name</name>   <!-- identifier -->  
            <resolution-ribs>...</resolution-ribs>  
            <import>...</import>  
          **</rib>**  
          </resolution>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Routing table resolution options.

- Contents**   <import>—Import policy.
- <name>—Routing table name.
- <resolution-ribs>—Routing tables to use for resolution.

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

---

**Usage** <configuration>  
           <logical-systems>  
             <routing-options>  
               **<rib>**  
                 <name>*name*</name>   <!-- identifier -->  
                 <static>...</static>  
                 <martians>...</martians>  
                 <aggregate>...</aggregate>  
                 <generate>...</generate>  
                 <maximum-paths>...</maximum-paths>  
                 <maximum-prefixes>...</maximum-prefixes>  
                 <multipath>...</multipath>  
               **</rib>**  
             </routing-options>  
           </logical-systems>  
         </configuration>

**Description** Routing table options.

**Contents** <aggregate>—Coalesced routes.  
               <generate>—Route of last resort.  
               <martians>—Invalid routes.  
               <maximum-paths>—Maximum number of paths.  
               <maximum-prefixes>—Maximum number of prefixes.  
               <multipath>—Protocol-independent load balancing.  
               <name>—Routing table name.  
               <static>—Static routes.



**<rib> (configuration/logical-systems/routing-options/resolution)**

---

**Usage** <configuration>  
           <logical-systems>  
             <routing-options>  
               <resolution>  
                 **<rib>**  
                   <name>name</name>   <!-- identifier -->  
                   <resolution-ribs>...</resolution-ribs>  
                   <import>...</import>  
                 **</rib>**  
               </resolution>  
             </routing-options>  
           </logical-systems>  
         </configuration>

**Description** Routing table resolution options.

**Contents** <import>—Import policy.

              <name>—Routing table name.

              <resolution-ribs>—Routing tables to use for resolution.

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

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <family>  
                 <inet>  
                   <labeled-unicast>  
                     **<rib>**  
                       <inet.3/>  
                     **</rib>**  
                   </labeled-unicast>  
                 </inet>  
               </family>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Select table used by labeled unicast routes.

**Contents** <inet.3>—Use inet.3 to exchange labeled unicast routes.

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

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <group>  
                 <family>  
                   <inet>  
                     <labeled-unicast>  
                       **<rib>**  
                       <inet.3/>  
                       **</rib>**  
                     </labeled-unicast>  
                   </inet>  
                 </family>  
               </group>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Select table used by labeled unicast routes.

**Contents** <inet.3>—Use inet.3 to exchange labeled unicast routes.

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

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <group>  
                 <neighbor>  
                   <family>  
                     <inet>  
                       <labeled-unicast>  
                       **<rib>**  
                       <inet.3/>  
                       **</rib>**  
                     </labeled-unicast>  
                   </inet>  
                 </family>  
               </neighbor>  
             </group>  
           </bgp>  
           </protocols>  
         </configuration>

**Description** Select table used by labeled unicast routes.

**Contents** <inet.3>—Use inet.3 to exchange labeled unicast routes.

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

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <protocols>  
                 <bgp>  
                     <family>  
                         <inet>  
                             <labeled-unicast>  
                                 **<rib>**  
                                     <inet.3/>  
                                 **</rib>**  
                             </labeled-unicast>  
                         </inet>  
                     </family>  
                 </bgp>  
             </protocols>  
         </instance>  
     </routing-instances>  
</configuration>

**Description** Select table used by labeled unicast routes.

**Contents** <inet.3>—Use inet.3 to exchange labeled unicast routes.

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

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet>  
          <labeled-unicast>  
          **<rib>**  
          <inet.3/>  
          **</rib>**  
          </labeled-unicast>  
          </inet>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Select table used by labeled unicast routes.

**Contents**   <inet.3>—Use inet.3 to exchange labeled unicast routes.

## **<rib> (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>  
   **<rib>**  
   <inet.3/>  
   **</rib>**  
                                     </labeled-unicast>  
                                 </inet>  
                             </family>  
                         </neighbor>  
                     </group>  
                 </bgp>  
             </protocols>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Select table used by labeled unicast routes.

**Contents** <inet.3>—Use inet.3 to exchange labeled unicast routes.

**<rib> (configuration/routing-instances/instance/routing-options)**

---

**Usage** <configuration>  
 <routing-instances>  
 <instance>  
 <routing-options>  
   **<rib>**  
     <name>name</name>   <!-- identifier -->  
     <static>...</static>  
     <martians>...</martians>  
     <aggregate>...</aggregate>  
     <generate>...</generate>  
     <maximum-paths>...</maximum-paths>  
     <maximum-prefixes>...</maximum-prefixes>  
     <multipath>...</multipath>  
   **</rib>**  
 </routing-options>  
 </instance>  
 </routing-instances>  
 </configuration>

**Description** Routing table options.

**Contents** <aggregate>—Coalesced routes.  
 <generate>—Route of last resort.  
 <martians>—Invalid routes.  
 <maximum-paths>—Maximum number of paths.  
 <maximum-prefixes>—Maximum number of prefixes.  
 <multipath>—Protocol-independent load balancing.  
 <name>—Routing table name.  
 <static>—Static routes.

## **<rib> (configuration/routing-instances/instance/routing-options/resolution)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <routing-options>  
           <resolution>  
             **<rib>**  
               <name>*name*</name>   <!-- identifier -->  
               <resolution-ribs>...</resolution-ribs>  
               <import>...</import>  
             **</rib>**  
           </resolution>  
           </routing-options>  
           </instance>  
           </routing-instances>  
         </configuration>

**Description**   Routing table resolution options.

**Contents**   <import>—Import policy.

          <name>—Routing table name.

          <resolution-ribs>—Routing tables to use for resolution.

**<rib> (configuration/routing-options)**

---

**Usage** <configuration>  
           <routing-options>  
             **<rib>**  
               <name>name</name>   <!-- identifier -->  
               <static>...</static>  
               <martians>...</martians>  
               <aggregate>...</aggregate>  
               <generate>...</generate>  
               <maximum-paths>...</maximum-paths>  
               <maximum-prefixes>...</maximum-prefixes>  
               <multipath>...</multipath>  
             **</rib>**  
           </routing-options>  
         </configuration>

**Description** Routing table options.

**Contents** <aggregate>—Coalesced routes.  
               <generate>—Route of last resort.  
               <martians>—Invalid routes.  
               <maximum-paths>—Maximum number of paths.  
               <maximum-prefixes>—Maximum number of prefixes.  
               <multipath>—Protocol-independent load balancing.  
               <name>—Routing table name.  
               <static>—Static routes.



**<rib> (configuration/routing-options/resolution)**

---

- Usage** `<configuration>`  
     `<routing-options>`  
         `<resolution>`  
             **<rib>**  
                 `<name>name</name>`   <!-- identifier -->  
                 `<resolution-ribs>...</resolution-ribs>`  
                 `<import>...</import>`  
             **</rib>**  
         `</resolution>`  
     `</routing-options>`  
`</configuration>`
- Description** Routing table resolution options.
- Contents** `<import>`—Import policy.
- `<name>`—Routing table name.
- `<resolution-ribs>`—Routing tables to use for resolution.

**<rib-group> (configuration/logical-systems/protocols/bgp/family/inet/any)**

---

- Usage** `<configuration>`  
     `<logical-systems>`  
         `<protocols>`  
             `<bgp>`  
                 `<family>`  
                     `<inet>`  
                         `<any>`  
                             **<rib-group>**  
                                 `<ribgroup-name>ribgroup-name`  
                                 `</ribgroup-name>`   <!-- mandatory -->  
                             **</rib-group>**  
                         `</any>`  
                     `</inet>`  
                 `</family>`  
             `</bgp>`  
         `</protocols>`  
     `</logical-systems>`  
`</configuration>`
- Description** Routing table group.
- Contents** `<ribgroup-name>`—Name of the routing table group.

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

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <bgp>  
                 <family>  
                   <inet>  
                     <flow>  
                       **<rib-group>**  
                         <ribgroup-name>*ribgroup-name*  
                         </ribgroup-name>   <!-- mandatory -->  
                       **</rib-group>**  
                     </flow>  
                   </inet>  
                 </family>  
               </bgp>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <bgp>  
                 <family>  
                   <inet>  
                     <labeled-unicast>  
                       **<rib-group>**  
                         <ribgroup-name>*ribgroup-name*  
                         </ribgroup-name>   <!-- mandatory -->  
                       **</rib-group>**  
                     </labeled-unicast>  
                   </inet>  
                 </family>  
               </bgp>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <bgp>  
                 <family>  
                   <inet>  
                     <multicast>  
                       **<rib-group>**  
                         <ribgroup-name>*ribgroup-name*  
                         </ribgroup-name>   <!-- mandatory -->  
                       **</rib-group>**  
                     </multicast>  
                   </inet>  
                 </family>  
               </bgp>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <bgp>  
                 <family>  
                   <inet>  
                     <unicast>  
                       **<rib-group>**  
                         <ribgroup-name>*ribgroup-name*  
                         </ribgroup-name>   <!-- mandatory -->  
                       **</rib-group>**  
                     </unicast>  
                   </inet>  
                 </family>  
               </bgp>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## <rib-group> (configuration/logical-systems/protocols/bgp/family/inet-mdt/signaling)

---

**Usage**

```
<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <family>
          <inet-mdt>
            <signaling>
              <rib-group>
                <ribgroup-name>ribgroup-name
                </ribgroup-name>    <!-- mandatory -->
              </rib-group>
            </signaling>
          </inet-mdt>
        </family>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>
```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## <rib-group> (configuration/logical-systems/protocols/bgp/family/inet-mvpn/signaling)

---

**Usage**

```
<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <family>
          <inet-mvpn>
            <signaling>
              <rib-group>
                <ribgroup-name>ribgroup-name
                </ribgroup-name>    <!-- mandatory -->
              </rib-group>
            </signaling>
          </inet-mvpn>
        </family>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>
```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/logical-systems/protocols/bgp/family/inet-vpn/any)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <bgp>  
           <family>  
           <inet-vpn>  
           <any>  
           **<rib-group>**  
             <ribgroup-name>*ribgroup-name*  
             </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </any>  
           </inet-vpn>  
           </family>  
           </bgp>  
           </protocols>  
           </logical-systems>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/logical-systems/protocols/bgp/family/inet-vpn/flow)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <bgp>  
           <family>  
           <inet-vpn>  
           <flow>  
           **<rib-group>**  
             <ribgroup-name>*ribgroup-name*  
             </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </flow>  
           </inet-vpn>  
           </family>  
           </bgp>  
           </protocols>  
           </logical-systems>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/logical-systems/protocols/bgp/family/inet-vpn/multicast)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <family>
          <inet-vpn>
            <multicast>
              <rib-group>
                <ribgroup-name>ribgroup-name
                </ribgroup-name>    <!-- mandatory -->
              </rib-group>
            </multicast>
          </inet-vpn>
        </family>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <family>
          <inet-vpn>
            <unicast>
              <rib-group>
                <ribgroup-name>ribgroup-name
                </ribgroup-name>    <!-- mandatory -->
              </rib-group>
            </unicast>
          </inet-vpn>
        </family>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <bgp>  
           <family>  
           <inet6>  
           <any>  
           **<rib-group>**  
             <ribgroup-name>*ribgroup-name*  
             </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </any>  
           </inet6>  
           </family>  
           </bgp>  
           </protocols>  
           </logical-systems>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <bgp>  
           <family>  
           <inet6>  
           <labeled-unicast>  
           **<rib-group>**  
             <ribgroup-name>*ribgroup-name*  
             </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </labeled-unicast>  
           </inet6>  
           </family>  
           </bgp>  
           </protocols>  
           </logical-systems>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## <rib-group> (configuration/logical-systems/protocols/bgp/family/inet6/multicast)

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <family>
          <inet6>
            <multicast>
              <rib-group>
                <ribgroup-name>ribgroup-name
                </ribgroup-name>    <!-- mandatory -->
              </rib-group>
            </multicast>
          </inet6>
        </family>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <family>
          <inet6>
            <unicast>
              <rib-group>
                <ribgroup-name>ribgroup-name
                </ribgroup-name>    <!-- mandatory -->
              </rib-group>
            </unicast>
          </inet6>
        </family>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.



## **<rib-group> (configuration/logical-systems/protocols/bgp/family/inet6-mvpn/signaling)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <bgp>  
           <family>  
           <inet6-mvpn>  
           <signaling>  
           **<rib-group>**  
             <ribgroup-name>*ribgroup-name*  
             </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </signaling>  
           </inet6-mvpn>  
           </family>  
           </bgp>  
           </protocols>  
           </logical-systems>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/logical-systems/protocols/bgp/family/inet6-vpn/any)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <bgp>  
           <family>  
           <inet6-vpn>  
           <any>  
           **<rib-group>**  
             <ribgroup-name>*ribgroup-name*  
             </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </any>  
           </inet6-vpn>  
           </family>  
           </bgp>  
           </protocols>  
           </logical-systems>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/logical-systems/protocols/bgp/family/inet6-vpn/multicast)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <family>
          <inet6-vpn>
            <multicast>
              <rib-group>
                <ribgroup-name>ribgroup-name
                </ribgroup-name>    <!-- mandatory -->
              </rib-group>
            </multicast>
          </inet6-vpn>
        </family>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <family>
          <inet6-vpn>
            <unicast>
              <rib-group>
                <ribgroup-name>ribgroup-name
                </ribgroup-name>    <!-- mandatory -->
              </rib-group>
            </unicast>
          </inet6-vpn>
        </family>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/logical-systems/protocols/bgp/family/iso-vpn/unicast)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <bgp>  
           <family>  
           <iso-vpn>  
           <unicast>  
           **<rib-group>**  
             <ribgroup-name>*ribgroup-name*  
             </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </unicast>  
           </iso-vpn>  
           </family>  
           </bgp>  
           </protocols>  
           </logical-systems>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <bgp>  
           <family>  
           <l2vpn>  
           <signaling>  
           **<rib-group>**  
             <ribgroup-name>*ribgroup-name*  
             </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </signaling>  
           </l2vpn>  
           </family>  
           </bgp>  
           </protocols>  
           </logical-systems>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

**<rib-group> (configuration/logical-systems/protocols/bgp/group/family/inet/any)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet>  
          <any>  
          **<rib-group>**  
          <ribgroup-name>*ribgroup-name*  
          </ribgroup-name>   <!-- mandatory -->  
          **</rib-group>**  
          </any>  
          </inet>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
           <logical-systems>  
           <protocols>  
           <bgp>  
           <group>  
           <family>  
           <inet>  
           <flow>  
           **<rib-group>**  
           <ribgroup-name>*ribgroup-name*  
           </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </flow>  
           </inet>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet>  
          <labeled-unicast>  
            **<rib-group>**  
              <ribgroup-name>*ribgroup-name*  
              </ribgroup-name>   <!-- mandatory -->  
            **</rib-group>**  
          </labeled-unicast>  
          </inet>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
           <logical-systems>  
           <protocols>  
           <bgp>  
           <group>  
           <family>  
           <inet>  
           <multicast>  
           **<rib-group>**  
           <ribgroup-name>*ribgroup-name*  
           </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </multicast>  
           </inet>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet>  
          <unicast>  
            **<rib-group>**  
              <ribgroup-name>*ribgroup-name*  
              </ribgroup-name>   <!-- mandatory -->  
            **</rib-group>**  
          </unicast>  
          </inet>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.



## **<rib-group> (configuration/logical-systems/protocols/bgp/group/family/inet-mdt/signaling)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <protocols>  
           <bgp>  
           <group>  
           <family>  
           <inet-mdt>  
           <signaling>  
           **<rib-group>**  
             <ribgroup-name>*ribgroup-name*  
             </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </signaling>  
           </inet-mdt>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/logical-systems/protocols/bgp/group/family/inet-mvpn/signaling)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet-mvpn>  
          <signaling>  
          **<rib-group>**  
          <ribgroup-name>*ribgroup-name*  
          </ribgroup-name>   <!-- mandatory -->  
          **</rib-group>**  
          </signaling>  
          </inet-mvpn>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/logical-systems/protocols/bgp/group/family/inet-vpn/any)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <protocols>  
               <bgp>  
               <group>  
               <family>  
               <inet-vpn>  
               <any>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                   </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
               </any>  
               </inet-vpn>  
               </family>  
               </group>  
               </bgp>  
               </protocols>  
               </logical-systems>  
               </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/logical-systems/protocols/bgp/group/family/inet-vpn/flow)**

---

**Usage**

```
<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <family>
            <inet-vpn>
              <flow>
                <rib-group>
                  <ribgroup-name>ribgroup-name
                  </ribgroup-name>    <!-- mandatory -->
                </rib-group>
              </flow>
            </inet-vpn>
          </family>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>
```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/logical-systems/protocols/bgp/group/family/inet-vpn/multicast)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <protocols>  
           <bgp>  
           <group>  
           <family>  
           <inet-vpn>  
           <multicast>  
           **<rib-group>**  
             <ribgroup-name>*ribgroup-name*  
             </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </multicast>  
           </inet-vpn>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**

```
<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <family>
            <inet-vpn>
              <unicast>
                <rib-group>
                  <ribgroup-name>ribgroup-name
                  </ribgroup-name>    <!-- mandatory -->
                </rib-group>
              </unicast>
            </inet-vpn>
          </family>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>
```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

**<rib-group> (configuration/logical-systems/protocols/bgp/group/family/inet6/any)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet6>  
          <any>  
          **<rib-group>**  
          <ribgroup-name>*ribgroup-name*  
          </ribgroup-name>   <!-- mandatory -->  
          **</rib-group>**  
          </any>  
          </inet6>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet6>  
          <labeled-unicast>  
            **<rib-group>**  
              <ribgroup-name>*ribgroup-name*  
              </ribgroup-name>   <!-- mandatory -->  
            **</rib-group>**  
          </labeled-unicast>  
          </inet6>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.



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

---

**Usage**   <configuration>  
           <logical-systems>  
           <protocols>  
           <bgp>  
           <group>  
           <family>  
           <inet6>  
           <multicast>  
           **<rib-group>**  
           <ribgroup-name>*ribgroup-name*  
           </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </multicast>  
           </inet6>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**

```
<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <family>
            <inet6>
              <unicast>
                <rib-group>
                  <ribgroup-name>ribgroup-name
                  </ribgroup-name>    <!-- mandatory -->
                </rib-group>
              </unicast>
            </inet6>
          </family>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>
```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/logical-systems/protocols/bgp/group/family/inet6-mvpn/signaling)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <protocols>  
               <bgp>  
               <group>  
               <family>  
               <inet6-mvpn>  
               <signaling>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                   </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
               </signaling>  
               </inet6-mvpn>  
               </family>  
               </group>  
               </bgp>  
               </protocols>  
               </logical-systems>  
               </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

**<rib-group> (configuration/logical-systems/protocols/bgp/group/family/inet6-vpn/any)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet6-vpn>  
          <any>  
            **<rib-group>**  
              <ribgroup-name>*ribgroup-name*  
              </ribgroup-name>   <!-- mandatory -->  
            **</rib-group>**  
          </any>  
          </inet6-vpn>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/logical-systems/protocols/bgp/group/family/inet6-vpn/multicast)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <protocols>  
           <bgp>  
           <group>  
           <family>  
           <inet6-vpn>  
           <multicast>  
           **<rib-group>**  
             <ribgroup-name>*ribgroup-name*  
             </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </multicast>  
           </inet6-vpn>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet6-vpn>  
          <unicast>  
            **<rib-group>**  
              <ribgroup-name>*ribgroup-name*  
              </ribgroup-name>   <!-- mandatory -->  
            **</rib-group>**  
          </unicast>  
          </inet6-vpn>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/logical-systems/protocols/bgp/group/family/iso-vpn/unicast)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <protocols>  
               <bgp>  
               <group>  
               <family>  
               <iso-vpn>  
               <unicast>  
                   **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                   </ribgroup-name>   <!-- mandatory -->  
                   **</rib-group>**  
               </unicast>  
               </iso-vpn>  
               </family>  
               </group>  
               </bgp>  
               </protocols>  
               </logical-systems>  
               </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <l2vpn>  
          <signaling>  
          **<rib-group>**  
          <ribgroup-name>*ribgroup-name*  
          </ribgroup-name>   <!-- mandatory -->  
          **</rib-group>**  
          </signaling>  
          </l2vpn>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.



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

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet>
                <any>
                  <rib-group>
                    <ribgroup-name>ribgroup-name
                    </ribgroup-name>    <!-- mandatory -->
                  </rib-group>
                </any>
              </inet>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <group>  
          <neighbor>  
          <family>  
          <inet>  
          <flow>  
            **<rib-group>**  
              <ribgroup-name>*ribgroup-name*  
              </ribgroup-name>   <!-- mandatory -->  
            **</rib-group>**  
          </flow>  
          </inet>  
          </family>  
          </neighbor>  
          </group>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet>
                <labeled-unicast>
                  <rib-group>
                    <ribgroup-name>ribgroup-name
                  </ribgroup-name>    <!-- mandatory -->
                  </rib-group>
                </labeled-unicast>
              </inet>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet>
                <multicast>
                  <rib-group>
                    <ribgroup-name>ribgroup-name
                    </ribgroup-name>    <!-- mandatory -->
                  </rib-group>
                </multicast>
              </inet>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet>
                <unicast>
                  <rib-group>
                    <ribgroup-name>ribgroup-name
                    </ribgroup-name>    <!-- mandatory -->
                  </rib-group>
                </unicast>
              </inet>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/logical-systems/protocols/bgp/group/neighbor/family/inet-mdt/signaling)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <group>  
          <neighbor>  
          <family>  
          <inet-mdt>  
          <signaling>  
          **<rib-group>**  
          <ribgroup-name>*ribgroup-name*  
          </ribgroup-name>   <!-- mandatory -->  
          **</rib-group>**  
          </signaling>  
          </inet-mdt>  
          </family>  
          </neighbor>  
          </group>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/logical-systems/protocols/bgp/group/neighbor/family/inet-mvpn/signaling)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <protocols>  
           <bgp>  
           <group>  
           <neighbor>  
           <family>  
           <inet-mvpn>  
           <signaling>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                   </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
           </signaling>  
           </inet-mvpn>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/logical-systems/protocols/bgp/group/neighbor/family/inet-vpn/any)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <group>  
          <neighbor>  
          <family>  
          <inet-vpn>  
          <any>  
          **<rib-group>**  
          <ribgroup-name>*ribgroup-name*  
          </ribgroup-name>   <!-- mandatory -->  
          **</rib-group>**  
          </any>  
          </inet-vpn>  
          </family>  
          </neighbor>  
          </group>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.



## **<rib-group> (configuration/logical-systems/protocols/bgp/group/neighbor/family/inet-vpn/flow)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet-vpn>
                <flow>
                  <rib-group>
                    <ribgroup-name>ribgroup-name
                  </ribgroup-name>    <!-- mandatory -->
                  </rib-group>
                </flow>
              </inet-vpn>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/logical-systems/protocols/bgp/group/neighbor/family/inet-vpn/multicast)**

---

**Usage**

```
<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet-vpn>
                <multicast>
                  <rib-group>
                    <ribgroup-name>ribgroup-name
                    </ribgroup-name>    <!-- mandatory -->
                  </rib-group>
                </multicast>
              </inet-vpn>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>
```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet-vpn>
                <unicast>
                  <rib-group>
                    <ribgroup-name>ribgroup-name
                    </ribgroup-name>    <!-- mandatory -->
                  </rib-group>
                </unicast>
              </inet-vpn>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage**

```
<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet6>
                <any>
                  <rib-group>
                    <ribgroup-name>ribgroup-name
                    </ribgroup-name>    <!-- mandatory -->
                  </rib-group>
                </any>
              </inet6>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>
```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet6>
                <labeled-unicast>
                  <rib-group>
                    <ribgroup-name>ribgroup-name
                    </ribgroup-name>    <!-- mandatory -->
                  </rib-group>
                </labeled-unicast>
              </inet6>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet6>
                <multicast>
                  <rib-group>
                    <ribgroup-name>ribgroup-name
                    </ribgroup-name>    <!-- mandatory -->
                  </rib-group>
                </multicast>
              </inet6>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet6>
                <unicast>
                  <rib-group>
                    <ribgroup-name>ribgroup-name
                    </ribgroup-name>    <!-- mandatory -->
                  </rib-group>
                </unicast>
              </inet6>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/logical-systems/protocols/bgp/group/neighbor/family/inet6-mvpn/signaling)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <group>  
          <neighbor>  
          <family>  
          <inet6-mvpn>  
          <signaling>  
          **<rib-group>**  
              <ribgroup-name>*ribgroup-name*  
              </ribgroup-name>   <!-- mandatory -->  
          **</rib-group>**  
          </signaling>  
          </inet6-mvpn>  
          </family>  
          </neighbor>  
          </group>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.



## **<rib-group> (configuration/logical-systems/protocols/bgp/group/neighbor/family/inet6-vpn/any)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <protocols>  
               <bgp>  
               <group>  
               <neighbor>  
               <family>  
               <inet6-vpn>  
               <any>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                   </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
               </any>  
               </inet6-vpn>  
               </family>  
               </neighbor>  
               </group>  
               </bgp>  
               </protocols>  
               </logical-systems>  
               </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/logical-systems/protocols/bgp/group/neighbor/family/inet6-vpn/multicast)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <bgp>  
          <group>  
          <neighbor>  
          <family>  
          <inet6-vpn>  
          <multicast>  
          **<rib-group>**  
          <ribgroup-name>*ribgroup-name*  
          </ribgroup-name>   <!-- mandatory -->  
          **</rib-group>**  
          </multicast>  
          </inet6-vpn>  
          </family>  
          </neighbor>  
          </group>  
          </bgp>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <inet6-vpn>
                <unicast>
                  <rib-group>
                    <ribgroup-name>ribgroup-name
                    </ribgroup-name>    <!-- mandatory -->
                  </rib-group>
                </unicast>
              </inet6-vpn>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/logical-systems/protocols/bgp/group/neighbor/family/iso-vpn/unicast)**

---

**Usage**

```
<configuration>
  <logical-systems>
    <protocols>
      <bgp>
        <group>
          <neighbor>
            <family>
              <iso-vpn>
                <unicast>
                  <rib-group>
                    <ribgroup-name>ribgroup-name
                    </ribgroup-name>    <!-- mandatory -->
                  </rib-group>
                </unicast>
              </iso-vpn>
            </family>
          </neighbor>
        </group>
      </bgp>
    </protocols>
  </logical-systems>
</configuration>
```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <bgp>  
           <group>  
           <neighbor>  
           <family>  
           <l2vpn>  
           <signaling>  
             **<rib-group>**  
               <ribgroup-name>*ribgroup-name*  
               </ribgroup-name>   <!-- mandatory -->  
             **</rib-group>**  
           </signaling>  
           </l2vpn>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </logical-systems>  
           </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/logical-systems/protocols/dvmrp)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <dvmrp>  
             **<rib-group>**  
               <ribgroup-name>*ribgroup-name*</ribgroup-name>   <!-- mandatory -->  
             **</rib-group>**  
           </dvmrp>  
           </protocols>  
           </logical-systems>  
           </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

- Usage** `<configuration>  
   <logical-systems>  
     <protocols>  
       <isis>  
         <rib-group>  
           <inet>inet</inet>  
           <inet6>inet6</inet6>  
         </rib-group>  
       </isis>  
     </protocols>  
   </logical-systems>  
</configuration>`
- Description** Routing table group for importing IS-IS routes.
- Contents** `<inet>`—Name of the IPv4 routing table group.  
               `<inet6>`—Name of the IPv6 routing table group.

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

---

- Usage** `<configuration>  
   <logical-systems>  
     <protocols>  
       <msdp>  
         <rib-group>  
           <ribgroup-name>ribgroup-name</ribgroup-name>   <!-- mandatory -->  
         </rib-group>  
       </msdp>  
     </protocols>  
   </logical-systems>  
</configuration>`
- Description** Routing table group.
- Contents** `<ribgroup-name>`—Name of the routing table group.

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

---

- Usage** `<configuration>`  
           `<logical-systems>`  
           `<protocols>`  
           `<pim>`  
             **<rib-group>**  
               `<inet>inet</inet>`  
               `<inet6>inet6</inet6>`  
             **</rib-group>**  
           `</pim>`  
         `</protocols>`  
       `</logical-systems>`  
     `</configuration>`
- Description** Routing table group.
- Contents** `<inet>`—Name of the IPv4 routing table group.  
               `<inet6>`—Name of the IPv6 routing table group.

**<rib-group> (configuration/logical-systems/protocols/rip)**

---

- Usage** `<configuration>`  
           `<logical-systems>`  
           `<protocols>`  
           `<rip>`  
             **<rib-group>**  
               `<ribgroup-name>ribgroup-name</ribgroup-name>`   `<!-- mandatory -->`  
             **</rib-group>**  
           `</rip>`  
         `</protocols>`  
       `</logical-systems>`  
     `</configuration>`
- Description** Routing table group for importing RIP routes.
- Contents** `<ribgroup-name>`—Name of the routing table group.

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

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <bgp>  
          <family>  
          <inet>  
          <any>  
          **<rib-group>**  
          <ribgroup-name>*ribgroup-name*  
          </ribgroup-name>   <!-- mandatory -->  
          **</rib-group>**  
          </any>  
          </inet>  
          </family>  
          </bgp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.



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

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <family>  
           <inet>  
           <flow>  
           **<rib-group>**  
           <ribgroup-name>*ribgroup-name*  
           </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </flow>  
           </inet>  
           </family>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                  <rib-group>
                    <ribgroup-name>ribgroup-name
                    </ribgroup-name>    <!-- mandatory -->
                  </rib-group>
                </labeled-unicast>
              </inet>
            </family>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <family>  
           <inet>  
           <multicast>  
           **<rib-group>**  
               <ribgroup-name>*ribgroup-name*  
               </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </multicast>  
           </inet>  
           </family>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <family>
              <inet>
                <unicast>
                  <rib-group>
                    <ribgroup-name>ribgroup-name
                    </ribgroup-name>    <!-- mandatory -->
                  </rib-group>
                </unicast>
              </inet>
            </family>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/logical-systems/routing-instances/instance/protocols/bgp/family/inet-mdt/signaling)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <family>  
           <inet-mdt>  
           <signaling>  
           **<rib-group>**  
               <ribgroup-name>*ribgroup-name*  
               </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </signaling>  
           </inet-mdt>  
           </family>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                  <rib-group>
                    <ribgroup-name>ribgroup-name
                    </ribgroup-name>    <!-- mandatory -->
                  </rib-group>
                </signaling>
              </inet-mvpn>
            </family>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>  
           **<rib-group>**  
             <ribgroup-name>*ribgroup-name*  
             </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </any>  
           </inet-vpn>  
           </family>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                  <rib-group>
                    <ribgroup-name>ribgroup-name
                    </ribgroup-name>    <!-- mandatory -->
                  </rib-group>
                </flow>
              </inet-vpn>
            </family>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.



## **<rib-group> (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>  
           **<rib-group>**  
               <ribgroup-name>*ribgroup-name*  
               </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </multicast>  
           </inet-vpn>  
           </family>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                  <rib-group>
                    <ribgroup-name>ribgroup-name
                    </ribgroup-name>    <!-- mandatory -->
                  </rib-group>
                </unicast>
              </inet-vpn>
            </family>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <family>  
           <inet6>  
           <any>  
           **<rib-group>**  
               <ribgroup-name>*ribgroup-name*  
               </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </any>  
           </inet6>  
           </family>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                  <rib-group>
                    <ribgroup-name>ribgroup-name
                    </ribgroup-name>    <!-- mandatory -->
                  </rib-group>
                </labeled-unicast>
              </inet6>
            </family>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <family>  
           <inet6>  
           <multicast>  
             **<rib-group>**  
               <ribgroup-name>*ribgroup-name*  
               </ribgroup-name>   <!-- mandatory -->  
             **</rib-group>**  
           </multicast>  
           </inet6>  
           </family>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <family>
              <inet6>
                <unicast>
                  <rib-group>
                    <ribgroup-name>ribgroup-name
                    </ribgroup-name>    <!-- mandatory -->
                  </rib-group>
                </unicast>
              </inet6>
            </family>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>  
           **<rib-group>**  
               <ribgroup-name>*ribgroup-name*  
               </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </signaling>  
           </inet6-mvpn>  
           </family>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

**<rib-group> (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>  
          **<rib-group>**  
          <ribgroup-name>*ribgroup-name*  
          </ribgroup-name>   <!-- mandatory -->  
          **</rib-group>**  
          </any>  
          </inet6-vpn>  
          </family>  
          </bgp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.



## **<rib-group> (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>  
             **<rib-group>**  
               <ribgroup-name>*ribgroup-name*  
               </ribgroup-name>   <!-- mandatory -->  
             **</rib-group>**  
           </multicast>  
           </inet6-vpn>  
           </family>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

**<rib-group> (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>  
          **<rib-group>**  
          <ribgroup-name>*ribgroup-name*  
          </ribgroup-name>   <!-- mandatory -->  
          **</rib-group>**  
          </unicast>  
          </inet6-vpn>  
          </family>  
          </bgp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>  
             **<rib-group>**  
               <ribgroup-name>*ribgroup-name*  
               </ribgroup-name>   <!-- mandatory -->  
             **</rib-group>**  
           </unicast>  
           </iso-vpn>  
           </family>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <bgp>  
          <family>  
          <l2vpn>  
          <signaling>  
          **<rib-group>**  
          <ribgroup-name>*ribgroup-name*  
          </ribgroup-name>   <!-- mandatory -->  
          **</rib-group>**  
          </signaling>  
          </l2vpn>  
          </family>  
          </bgp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                   </ribgroup-name>    <!-- mandatory -->  
               **</rib-group>**  
           </any>  
           </inet>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                    <rib-group>
                      <ribgroup-name>ribgroup-name
                      </ribgroup-name>    <!-- mandatory -->
                    </rib-group>
                  </flow>
                </inet>
              </family>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>  
           **<rib-group>**  
           <ribgroup-name>*ribgroup-name*  
           </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </labeled-unicast>  
           </inet>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>  
            **<rib-group>**  
              <ribgroup-name>*ribgroup-name*  
              </ribgroup-name>   <!-- mandatory -->  
            **</rib-group>**  
          </multicast>  
          </inet>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.



## **<rib-group> (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>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                   </ribgroup-name>    <!-- mandatory -->  
               **</rib-group>**  
           </unicast>  
           </inet>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/logical-systems/routing-instances/instance/protocols/bgp/group/family/inet-mdt/signaling)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <family>
                <inet-mdt>
                  <signaling>
                    <rib-group>
                      <ribgroup-name>ribgroup-name
                      </ribgroup-name>    <!-- mandatory -->
                    </rib-group>
                  </signaling>
                </inet-mdt>
              </family>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>  
           **<rib-group>**  
               <ribgroup-name>*ribgroup-name*  
               </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </signaling>  
           </inet-mvpn>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                    <rib-group>
                      <ribgroup-name>ribgroup-name
                      </ribgroup-name>    <!-- mandatory -->
                    </rib-group>
                  </any>
                </inet-vpn>
              </family>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                   </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
               </flow>  
           </inet-vpn>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                    <rib-group>
                      <ribgroup-name>ribgroup-name
                      </ribgroup-name>    <!-- mandatory -->
                    </rib-group>
                  </multicast>
                </inet-vpn>
              </family>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                   </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
               </unicast>  
           </inet-vpn>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

**<rib-group> (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>  
              **<rib-group>**  
              <ribgroup-name>*ribgroup-name*  
              </ribgroup-name>   <!-- mandatory -->  
              **</rib-group>**  
              </any>  
              </inet6>  
              </family>  
              </group>  
              </bgp>  
              </protocols>  
              </instance>  
              </routing-instances>  
              </logical-systems>  
              </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.



## **<rib-group> (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>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                   </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
           </labeled-unicast>  
           </inet6>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                    <rib-group>
                      <ribgroup-name>ribgroup-name
                      </ribgroup-name>    <!-- mandatory -->
                    </rib-group>
                  </multicast>
                </inet6>
              </family>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>  
           **<rib-group>**  
           <ribgroup-name>*ribgroup-name*  
           </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </unicast>  
           </inet6>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                    <rib-group>
                      <ribgroup-name>ribgroup-name
                      </ribgroup-name>      <!-- mandatory -->
                    </rib-group>
                  </signaling>
                </inet6-mvpn>
              </family>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>  
           **<rib-group>**  
           <ribgroup-name>*ribgroup-name*  
           </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </any>  
           </inet6-vpn>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                    <rib-group>
                      <ribgroup-name>ribgroup-name
                      </ribgroup-name>    <!-- mandatory -->
                    </rib-group>
                  </multicast>
                </inet6-vpn>
              </family>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                   </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
               </unicast>  
           </inet6-vpn>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

**<rib-group> (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>  
          **<rib-group>**  
          <ribgroup-name>*ribgroup-name*  
          </ribgroup-name>   <!-- mandatory -->  
          **</rib-group>**  
          </unicast>  
          </iso-vpn>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.



## **<rib-group> (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>  
           **<rib-group>**  
               <ribgroup-name>*ribgroup-name*  
               </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </signaling>  
           </l2vpn>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                      <rib-group>
                        <ribgroup-name>ribgroup-name
                        </ribgroup-name>    <!-- mandatory -->
                      </rib-group>
                    </any>
                  </inet>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                           </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
           </flow>  
           </inet>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                      <rib-group>
                        <ribgroup-name>ribgroup-name
                          </ribgroup-name>      <!-- mandatory -->
                      </rib-group>
                    </labeled-unicast>
                  </inet>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                           </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
           </multicast>  
           </inet>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                      <rib-group>
                        <ribgroup-name>ribgroup-name
                          </ribgroup-name>    <!-- mandatory -->
                      </rib-group>
                    </unicast>
                  </inet>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <neighbor>  
           <family>  
           <inet-mdt>  
           <signaling>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                           </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
               </signaling>  
               </inet-mdt>  
               </family>  
               </neighbor>  
               </group>  
               </bgp>  
               </protocols>  
               </instance>  
               </routing-instances>  
               </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                      <rib-group>
                        <ribgroup-name>ribgroup-name
                          </ribgroup-name>      <!-- mandatory -->
                      </rib-group>
                    </signaling>
                  </inet-mvpn>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.



## **<rib-group> (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>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                           </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
           </any>  
           </inet-vpn>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                      <rib-group>
                        <ribgroup-name>ribgroup-name
                          </ribgroup-name>    <!-- mandatory -->
                      </rib-group>
                    </flow>
                  </inet-vpn>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                           </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
               </multicast>  
           </inet-vpn>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                      <rib-group>
                        <ribgroup-name>ribgroup-name
                          </ribgroup-name>      <!-- mandatory -->
                      </rib-group>
                    </unicast>
                  </inet-vpn>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>  
           **<rib-group>**  
               <ribgroup-name>*ribgroup-name*  
                   </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </any>  
           </inet6>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                      <rib-group>
                        <ribgroup-name>ribgroup-name
                          </ribgroup-name>    <!-- mandatory -->
                      </rib-group>
                    </labeled-unicast>
                  </inet6>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                           </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
           </multicast>  
           </inet6>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                      <rib-group>
                        <ribgroup-name>ribgroup-name
                          </ribgroup-name>    <!-- mandatory -->
                      </rib-group>
                    </unicast>
                  </inet6>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.



## **<rib-group> (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>  
           **<rib-group>**  
               <ribgroup-name>*ribgroup-name*  
                   </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </signaling>  
           </inet6-mvpn>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                      <rib-group>
                        <ribgroup-name>ribgroup-name
                          </ribgroup-name>    <!-- mandatory -->
                      </rib-group>
                    </any>
                  </inet6-vpn>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                           </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
                   </multicast>  
               </inet6-vpn>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                      <rib-group>
                        <ribgroup-name>ribgroup-name
                          </ribgroup-name>    <!-- mandatory -->
                      </rib-group>
                    </unicast>
                  </inet6-vpn>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                           </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
           </unicast>  
           </iso-vpn>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                      <rib-group>
                        <ribgroup-name>ribgroup-name
                          </ribgroup-name>      <!-- mandatory -->
                      </rib-group>
                    </signaling>
                  </l2vpn>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage** <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <isis>  
             **<rib-group>**  
               <inet>*inet*</inet>  
               <inet6>*inet6*</inet6>  
             **</rib-group>**  
           </isis>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description** Routing table group for importing IS-IS routes.

**Contents** <inet>—Name of the IPv4 routing table group.

<inet6>—Name of the IPv6 routing table group.

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

---

**Usage** <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <msdp>  
             **<rib-group>**  
               <ribgroup-name>*ribgroup-name*</ribgroup-name>   <!-- mandatory -->  
             **</rib-group>**  
           </msdp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <protocols>  
                     <pim>  
                         **<rib-group>**  
                             <inet>*inet*</inet>  
                             <inet6>*inet6*</inet6>  
                         **</rib-group>**  
                     </pim>  
                 </protocols>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
 </configuration>

**Description** Routing table group.

**Contents** <inet>—Name of the IPv4 routing table group.  
             <inet6>—Name of the IPv6 routing table group.

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

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <protocols>  
                     <rip>  
                         **<rib-group>**  
                             <ribgroup-name>*ribgroup-name*</ribgroup-name>   <!-- mandatory -->  
                         **</rib-group>**  
                     </rip>  
                 </protocols>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
 </configuration>

**Description** Routing table group for importing RIP routes.

**Contents** <ribgroup-name>—Name of the routing table group.



## **<rib-group> (configuration/logical-systems/routing-instances/ instance/routing-options/interface-routes)**

---

**Usage** <configuration>  
           <logical-systems>  
             <routing-instances>  
               <instance>  
                 <routing-options>  
                   <interface-routes>  
                     **<rib-group>**  
                       <inet>*inet*</inet>  
                       <inet6>*inet6*</inet6>  
                     **</rib-group>**  
                   </interface-routes>  
                 </routing-options>  
               </instance>  
             </routing-instances>  
           </logical-systems>  
         </configuration>

**Description** Routing table group.

**Contents** <inet>—Name of the IPv4 routing table group.

<inet6>—Name of the IPv6 routing table group.

## **<rib-group> (configuration/logical-systems/routing-options/ interface-routes)**

---

**Usage** <configuration>  
           <logical-systems>  
             <routing-options>  
               <interface-routes>  
                 **<rib-group>**  
                   <inet>*inet*</inet>  
                   <inet6>*inet6*</inet6>  
                 **</rib-group>**  
               </interface-routes>  
             </routing-options>  
           </logical-systems>  
         </configuration>

**Description** Routing table group.

**Contents** <inet>—Name of the IPv4 routing table group.

<inet6>—Name of the IPv6 routing table group.

**<rib-group> (configuration/protocols/bgp/family/inet/any)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <family>  
                 <inet>  
                   <any>  
                     **<rib-group>**  
                       <ribgroup-name>*ribgroup-name*</ribgroup-name>   <!-- mandatory -->  
                     **</rib-group>**  
                   </any>  
                 </inet>  
               </family>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

**<rib-group> (configuration/protocols/bgp/family/inet/flow)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <family>  
                 <inet>  
                   <flow>  
                     **<rib-group>**  
                       <ribgroup-name>*ribgroup-name*</ribgroup-name>   <!-- mandatory -->  
                     **</rib-group>**  
                   </flow>  
                 </inet>  
               </family>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <family>  
                 <inet>  
                   <labeled-unicast>  
                     **<rib-group>**  
                       <ribgroup-name>*ribgroup-name*</ribgroup-name>   <!-- mandatory -->  
                     **</rib-group>**  
                   </labeled-unicast>  
                 </inet>  
               </family>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/protocols/bgp/family/inet/multicast)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <family>  
                 <inet>  
                   <multicast>  
                     **<rib-group>**  
                       <ribgroup-name>*ribgroup-name*</ribgroup-name>   <!-- mandatory -->  
                     **</rib-group>**  
                   </multicast>  
                 </inet>  
               </family>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage** <configuration>  
    <protocols>  
        <bgp>  
            <family>  
                <inet>  
                    <unicast>  
                        **<rib-group>**  
                            <ribgroup-name>*ribgroup-name*</ribgroup-name>   <!-- mandatory -->  
                        **</rib-group>**  
                    </unicast>  
                </inet>  
            </family>  
        </bgp>  
    </protocols>  
</configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

**<rib-group> (configuration/protocols/bgp/family/inet-mdt/signaling)**

---

**Usage** <configuration>  
    <protocols>  
        <bgp>  
            <family>  
                <inet-mdt>  
                    <signaling>  
                        **<rib-group>**  
                            <ribgroup-name>*ribgroup-name*</ribgroup-name>   <!-- mandatory -->  
                        **</rib-group>**  
                    </signaling>  
                </inet-mdt>  
            </family>  
        </bgp>  
    </protocols>  
</configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/protocols/bgp/family/inet-mvpn/signaling)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <family>  
                 <inet-mvpn>  
                   <signaling>  
                     **<rib-group>**  
                       <ribgroup-name>*ribgroup-name*</ribgroup-name>   <!-- mandatory -->  
                     **</rib-group>**  
                   </signaling>  
                 </inet-mvpn>  
               </family>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/protocols/bgp/family/inet-vpn/any)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <family>  
                 <inet-vpn>  
                   <any>  
                     **<rib-group>**  
                       <ribgroup-name>*ribgroup-name*</ribgroup-name>   <!-- mandatory -->  
                     **</rib-group>**  
                   </any>  
                 </inet-vpn>  
               </family>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

**<rib-group> (configuration/protocols/bgp/family/inet-vpn/flow)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <family>  
                 <inet-vpn>  
                   <flow>  
                     **<rib-group>**  
                       <ribgroup-name>*ribgroup-name*</ribgroup-name>   <!-- mandatory -->  
                     **</rib-group>**  
                   </flow>  
                 </inet-vpn>  
               </family>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

**<rib-group> (configuration/protocols/bgp/family/inet-vpn/multicast)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <family>  
                 <inet-vpn>  
                   <multicast>  
                     **<rib-group>**  
                       <ribgroup-name>*ribgroup-name*</ribgroup-name>   <!-- mandatory -->  
                     **</rib-group>**  
                   </multicast>  
                 </inet-vpn>  
               </family>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <family>  
                 <inet-vpn>  
                   <unicast>  
                     **<rib-group>**  
                       <ribgroup-name>*ribgroup-name*</ribgroup-name>   <!-- mandatory -->  
                     **</rib-group>**  
                   </unicast>  
                 </inet-vpn>  
               </family>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

**<rib-group> (configuration/protocols/bgp/family/inet6/any)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <family>  
                 <inet6>  
                   <any>  
                     **<rib-group>**  
                       <ribgroup-name>*ribgroup-name*</ribgroup-name>   <!-- mandatory -->  
                     **</rib-group>**  
                   </any>  
                 </inet6>  
               </family>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage** <configuration>  
    <protocols>  
        <bgp>  
            <family>  
                <inet6>  
                    <labeled-unicast>  
                        **<rib-group>**  
                            <ribgroup-name>*ribgroup-name*</ribgroup-name>   <!-- mandatory -->  
                        **</rib-group>**  
                    </labeled-unicast>  
                </inet6>  
            </family>  
        </bgp>  
    </protocols>  
</configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/protocols/bgp/family/inet6/multicast)**

---

**Usage** <configuration>  
    <protocols>  
        <bgp>  
            <family>  
                <inet6>  
                    <multicast>  
                        **<rib-group>**  
                            <ribgroup-name>*ribgroup-name*</ribgroup-name>   <!-- mandatory -->  
                        **</rib-group>**  
                    </multicast>  
                </inet6>  
            </family>  
        </bgp>  
    </protocols>  
</configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.



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

---

**Usage** <configuration>  
    <protocols>  
        <bgp>  
            <family>  
                <inet6>  
                    <unicast>  
                        **<rib-group>**  
                            <ribgroup-name>*ribgroup-name*</ribgroup-name>   <!-- mandatory -->  
                        **</rib-group>**  
                    </unicast>  
                </inet6>  
            </family>  
        </bgp>  
    </protocols>  
</configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

**<rib-group> (configuration/protocols/bgp/family/inet6-mvpn/signaling)**

---

**Usage** <configuration>  
    <protocols>  
        <bgp>  
            <family>  
                <inet6-mvpn>  
                    <signaling>  
                        **<rib-group>**  
                            <ribgroup-name>*ribgroup-name*</ribgroup-name>   <!-- mandatory -->  
                        **</rib-group>**  
                    </signaling>  
                </inet6-mvpn>  
            </family>  
        </bgp>  
    </protocols>  
</configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

**<rib-group> (configuration/protocols/bgp/family/inet6-vpn/any)**

---

**Usage** <configuration>  
    <protocols>  
        <bgp>  
            <family>  
                <inet6-vpn>  
                    <any>  
                        **<rib-group>**  
                            <ribgroup-name>*ribgroup-name*</ribgroup-name>   <!-- mandatory -->  
                        **</rib-group>**  
                    </any>  
                </inet6-vpn>  
            </family>  
        </bgp>  
    </protocols>  
</configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

**<rib-group> (configuration/protocols/bgp/family/inet6-vpn/multicast)**

---

**Usage** <configuration>  
    <protocols>  
        <bgp>  
            <family>  
                <inet6-vpn>  
                    <multicast>  
                        **<rib-group>**  
                            <ribgroup-name>*ribgroup-name*</ribgroup-name>   <!-- mandatory -->  
                        **</rib-group>**  
                    </multicast>  
                </inet6-vpn>  
            </family>  
        </bgp>  
    </protocols>  
</configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

**<rib-group> (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;rib-group&gt;               &lt;ribgroup-name&gt;ribgroup-name&lt;/ribgroup-name&gt;    &lt;!-- mandatory --&gt;             &lt;/rib-group&gt;           &lt;/unicast&gt;         &lt;/inet6-vpn&gt;       &lt;/family&gt;     &lt;/bgp&gt;   &lt;/protocols&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Routing table group.
<b>Contents</b>	<ribgroup-name>—Name of the routing table group.

**<rib-group> (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;rib-group&gt;               &lt;ribgroup-name&gt;ribgroup-name&lt;/ribgroup-name&gt;    &lt;!-- mandatory --&gt;             &lt;/rib-group&gt;           &lt;/unicast&gt;         &lt;/iso-vpn&gt;       &lt;/family&gt;     &lt;/bgp&gt;   &lt;/protocols&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Routing table group.
<b>Contents</b>	<ribgroup-name>—Name of the routing table group.

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

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <family>  
                 <l2vpn>  
                   <signaling>  
                     **<rib-group>**  
                       <ribgroup-name>*ribgroup-name*</ribgroup-name>   <!-- mandatory -->  
                     **</rib-group>**  
                   </signaling>  
                 </l2vpn>  
               </family>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

**<rib-group> (configuration/protocols/bgp/group/family/inet/any)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <group>  
                 <family>  
                   <inet>  
                     <any>  
                       **<rib-group>**  
                       <ribgroup-name>*ribgroup-name*</ribgroup-name>   <!-- mandatory  
                       -->  
                     **</rib-group>**  
                   </any>  
                 </inet>  
               </family>  
             </group>  
           </bgp>  
           </protocols>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

**<rib-group> (configuration/protocols/bgp/group/family/inet/flow)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;protocols&gt;     &lt;bgp&gt;       &lt;group&gt;         &lt;family&gt;           &lt;inet&gt;             &lt;flow&gt;               &lt;rib-group&gt;                 &lt;ribgroup-name&gt;<i>ribgroup-name</i>                                      &lt;/ribgroup-name&gt;    &lt;!-- mandatory --&gt;               &lt;/rib-group&gt;             &lt;/flow&gt;           &lt;/inet&gt;         &lt;/family&gt;       &lt;/group&gt;     &lt;/bgp&gt;   &lt;/protocols&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Routing table group.
<b>Contents</b>	<ribgroup-name>—Name of the routing table group.

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

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;protocols&gt;     &lt;bgp&gt;       &lt;group&gt;         &lt;family&gt;           &lt;inet&gt;             &lt;labeled-unicast&gt;               &lt;rib-group&gt;                 &lt;ribgroup-name&gt;<i>ribgroup-name</i>                                      &lt;/ribgroup-name&gt;    &lt;!-- mandatory --&gt;               &lt;/rib-group&gt;             &lt;/labeled-unicast&gt;           &lt;/inet&gt;         &lt;/family&gt;       &lt;/group&gt;     &lt;/bgp&gt;   &lt;/protocols&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Routing table group.
<b>Contents</b>	<ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/protocols/bgp/group/family/inet/multicast)**

---

**Usage**

```

<configuration>
  <protocols>
    <bgp>
      <group>
        <family>
          <inet>
            <multicast>
              <rib-group>
                <ribgroup-name>ribgroup-name
                </ribgroup-name>    <!-- mandatory -->
              </rib-group>
            </multicast>
          </inet>
        </family>
      </group>
    </bgp>
  </protocols>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage**

```

<configuration>
  <protocols>
    <bgp>
      <group>
        <family>
          <inet>
            <unicast>
              <rib-group>
                <ribgroup-name>ribgroup-name
                </ribgroup-name>    <!-- mandatory -->
              </rib-group>
            </unicast>
          </inet>
        </family>
      </group>
    </bgp>
  </protocols>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/protocols/bgp/group/family/inet-mdt/signaling)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <group>  
                 <family>  
                   <inet-mdt>  
                     <signaling>  
                       **<rib-group>**  
                         <ribgroup-name>*ribgroup-name*  
                           </ribgroup-name>   <!-- mandatory -->  
                       **</rib-group>**  
                     </signaling>  
                   </inet-mdt>  
                 </family>  
               </group>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/protocols/bgp/group/family/inet-mvpn/signaling)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <group>  
                 <family>  
                   <inet-mvpn>  
                     <signaling>  
                       **<rib-group>**  
                         <ribgroup-name>*ribgroup-name*  
                           </ribgroup-name>   <!-- mandatory -->  
                       **</rib-group>**  
                     </signaling>  
                   </inet-mvpn>  
                 </family>  
               </group>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/protocols/bgp/group/family/inet-vpn/any)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <group>  
                 <family>  
                   <inet-vpn>  
                     <any>  
                       **<rib-group>**  
                         <ribgroup-name>*ribgroup-name*  
                           </ribgroup-name>   <!-- mandatory -->  
                       **</rib-group>**  
                     </any>  
                   </inet-vpn>  
                 </family>  
               </group>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/protocols/bgp/group/family/inet-vpn/flow)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <group>  
                 <family>  
                   <inet-vpn>  
                     <flow>  
                       **<rib-group>**  
                         <ribgroup-name>*ribgroup-name*  
                           </ribgroup-name>   <!-- mandatory -->  
                       **</rib-group>**  
                     </flow>  
                   </inet-vpn>  
                 </family>  
               </group>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.



## **<rib-group> (configuration/protocols/bgp/group/family/inet-vpn/multicast)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <group>  
                 <family>  
                   <inet-vpn>  
                     <multicast>  
                       **<rib-group>**  
                         <ribgroup-name>*ribgroup-name*  
                           </ribgroup-name>   <!-- mandatory -->  
                       **</rib-group>**  
                     </multicast>  
                   </inet-vpn>  
                 </family>  
               </group>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/protocols/bgp/group/family/inet-vpn/unicast)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <group>  
                 <family>  
                   <inet-vpn>  
                     <unicast>  
                       **<rib-group>**  
                         <ribgroup-name>*ribgroup-name*  
                           </ribgroup-name>   <!-- mandatory -->  
                       **</rib-group>**  
                     </unicast>  
                   </inet-vpn>  
                 </family>  
               </group>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

**<rib-group> (configuration/protocols/bgp/group/family/inet6/any)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;bgp&gt;       &lt;group&gt;         &lt;family&gt;           &lt;inet6&gt;             &lt;any&gt;               &lt;rib-group&gt;                 &lt;ribgroup-name&gt;<i>ribgroup-name</i>                 &lt;/ribgroup-name&gt;    &lt;!-- mandatory --&gt;               &lt;/rib-group&gt;             &lt;/any&gt;           &lt;/inet6&gt;         &lt;/family&gt;       &lt;/group&gt;     &lt;/bgp&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Routing table group.
<b>Contents</b>	<ribgroup-name>—Name of the routing table group.

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;bgp&gt;       &lt;group&gt;         &lt;family&gt;           &lt;inet6&gt;             &lt;labeled-unicast&gt;               &lt;rib-group&gt;                 &lt;ribgroup-name&gt;<i>ribgroup-name</i>                 &lt;/ribgroup-name&gt;    &lt;!-- mandatory --&gt;               &lt;/rib-group&gt;             &lt;/labeled-unicast&gt;           &lt;/inet6&gt;         &lt;/family&gt;       &lt;/group&gt;     &lt;/bgp&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Routing table group.
<b>Contents</b>	<ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/protocols/bgp/group/family/inet6/multicast)**

---

**Usage** <configuration>  
 <protocols>  
 <bgp>  
 <group>  
 <family>  
 <inet6>  
 <multicast>  
**<rib-group>**  
 <ribgroup-name>*ribgroup-name*  
 </ribgroup-name> <!-- mandatory -->  
**</rib-group>**  
 </multicast>  
 </inet6>  
 </family>  
 </group>  
 </bgp>  
 </protocols>  
 </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage** <configuration>  
 <protocols>  
 <bgp>  
 <group>  
 <family>  
 <inet6>  
 <unicast>  
**<rib-group>**  
 <ribgroup-name>*ribgroup-name*  
 </ribgroup-name> <!-- mandatory -->  
**</rib-group>**  
 </unicast>  
 </inet6>  
 </family>  
 </group>  
 </bgp>  
 </protocols>  
 </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/protocols/bgp/group/family/inet6-mvpn/signaling)**

---

**Usage** <configuration>  
     <protocols>  
         <bgp>  
             <group>  
                 <family>  
                     <inet6-mvpn>  
                         <signaling>  
                             **<rib-group>**  
                                 <ribgroup-name>*ribgroup-name*  
                                     </ribgroup-name>   <!-- mandatory -->  
                             **</rib-group>**  
                                 </signaling>  
                             </inet6-mvpn>  
                         </family>  
             </group>  
         </bgp>  
     </protocols>  
</configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/protocols/bgp/group/family/inet6-vpn/any)**

---

**Usage** <configuration>  
     <protocols>  
         <bgp>  
             <group>  
                 <family>  
                     <inet6-vpn>  
                         <any>  
                             **<rib-group>**  
                                 <ribgroup-name>*ribgroup-name*  
                                     </ribgroup-name>   <!-- mandatory -->  
                             **</rib-group>**  
                                 </any>  
                     </inet6-vpn>  
                 </family>  
             </group>  
         </bgp>  
     </protocols>  
</configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/protocols/bgp/group/family/inet6-vpn/multicast)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <group>  
                 <family>  
                   <inet6-vpn>  
                     <multicast>  
                       **<rib-group>**  
                         <ribgroup-name>*ribgroup-name*  
                           </ribgroup-name>   <!-- mandatory -->  
                       **</rib-group>**  
                     </multicast>  
                   </inet6-vpn>  
                 </family>  
               </group>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <group>  
                 <family>  
                   <inet6-vpn>  
                     <unicast>  
                       **<rib-group>**  
                         <ribgroup-name>*ribgroup-name*  
                           </ribgroup-name>   <!-- mandatory -->  
                       **</rib-group>**  
                     </unicast>  
                   </inet6-vpn>  
                 </family>  
               </group>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/protocols/bgp/group/family/iso-vpn/unicast)**

---

**Usage**

```

<configuration>
  <protocols>
    <bgp>
      <group>
        <family>
          <iso-vpn>
            <unicast>
              <rib-group>
                <ribgroup-name>ribgroup-name
                </ribgroup-name>    <!-- mandatory -->
              </rib-group>
            </unicast>
          </iso-vpn>
        </family>
      </group>
    </bgp>
  </protocols>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/protocols/bgp/group/family/l2vpn/signaling)**

---

**Usage**

```

<configuration>
  <protocols>
    <bgp>
      <group>
        <family>
          <l2vpn>
            <signaling>
              <rib-group>
                <ribgroup-name>ribgroup-name
                </ribgroup-name>    <!-- mandatory -->
              </rib-group>
            </signaling>
          </l2vpn>
        </family>
      </group>
    </bgp>
  </protocols>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

**<rib-group> (configuration/protocols/bgp/group/neighbor/family/inet/any)**

---

```
Usage  <configuration>
      <protocols>
      <bgp>
      <group>
      <neighbor>
      <family>
      <inet>
      <any>
      <rib-group>
      <ribgroup-name>ribgroup-name
      </ribgroup-name>    <!-- mandatory -->
      </rib-group>
      </any>
      </inet>
      </family>
      </neighbor>
      </group>
      </bgp>
      </protocols>
      </configuration>
```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

**<rib-group> (configuration/protocols/bgp/group/neighbor/family/inet/flow)**

---

**Usage**   <configuration>  
          <protocols>  
          <bgp>  
          <group>  
          <neighbor>  
          <family>  
          <inet>  
          <flow>  
          **<rib-group>**  
          <ribgroup-name>*ribgroup-name*  
          </ribgroup-name>   <!-- mandatory -->  
          **</rib-group>**  
          </flow>  
          </inet>  
          </family>  
          </neighbor>  
          </group>  
          </bgp>  
          </protocols>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.



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

---

**Usage**   <configuration>  
           <protocols>  
           <bgp>  
           <group>  
           <neighbor>  
           <family>  
           <inet>  
           <labeled-unicast>  
           **<rib-group>**  
           <ribgroup-name>*ribgroup-name*  
           </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </labeled-unicast>  
           </inet>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/protocols/bgp/group/neighbor/family/inet/multicast)**

---

**Usage**

```

<configuration>
  <protocols>
    <bgp>
      <group>
        <neighbor>
          <family>
            <inet>
              <multicast>
                <rib-group>
                  <ribgroup-name>ribgroup-name
                  </ribgroup-name>    <!-- mandatory -->
                </rib-group>
              </multicast>
            </inet>
          </family>
        </neighbor>
      </group>
    </bgp>
  </protocols>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
           <protocols>  
           <bgp>  
           <group>  
           <neighbor>  
           <family>  
           <inet>  
           <unicast>  
           **<rib-group>**  
           <ribgroup-name>*ribgroup-name*  
           </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </unicast>  
           </inet>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/protocols/bgp/group/neighbor/family/inet-mdt/signaling)**

---

**Usage**

```
<configuration>
  <protocols>
    <bgp>
      <group>
        <neighbor>
          <family>
            <inet-mdt>
              <signaling>
                <rib-group>
                  <ribgroup-name>ribgroup-name
                  </ribgroup-name>    <!-- mandatory -->
                </rib-group>
              </signaling>
            </inet-mdt>
          </family>
        </neighbor>
      </group>
    </bgp>
  </protocols>
</configuration>
```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/protocols/bgp/group/neighbor/family/inet-mvpn/signaling)**

---

**Usage**   <configuration>  
               <protocols>  
                   <bgp>  
                       <group>  
                           <neighbor>  
                               <family>  
                                   <inet-mvpn>  
                                       <signaling>  
   **<rib-group>**  
   <ribgroup-name>*ribgroup-name*  
   </ribgroup-name>   <!-- mandatory -->  
   **</rib-group>**  
   </signaling>  
                                       </inet-mvpn>  
                               </family>  
                           </neighbor>  
                       </group>  
                   </bgp>  
               </protocols>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/protocols/bgp/group/neighbor/family/inet-vpn/any)**

---

**Usage**   <configuration>  
          <protocols>  
          <bgp>  
          <group>  
          <neighbor>  
          <family>  
          <inet-vpn>  
          <any>  
          **<rib-group>**  
          <ribgroup-name>*ribgroup-name*  
          </ribgroup-name>   <!-- mandatory -->  
          **</rib-group>**  
          </any>  
          </inet-vpn>  
          </family>  
          </neighbor>  
          </group>  
          </bgp>  
          </protocols>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/protocols/bgp/group/neighbor/family/inet-vpn/flow)**

---

**Usage**   <configuration>  
           <protocols>  
           <bgp>  
           <group>  
           <neighbor>  
           <family>  
           <inet-vpn>  
           <flow>  
           **<rib-group>**  
               <ribgroup-name>*ribgroup-name*  
               </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </flow>  
           </inet-vpn>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/protocols/bgp/group/neighbor/family/inet-vpn/multicast)**

---

**Usage**   <configuration>  
          <protocols>  
          <bgp>  
          <group>  
          <neighbor>  
          <family>  
          <inet-vpn>  
          <multicast>  
          **<rib-group>**  
          <ribgroup-name>*ribgroup-name*  
          </ribgroup-name>   <!-- mandatory -->  
          **</rib-group>**  
          </multicast>  
          </inet-vpn>  
          </family>  
          </neighbor>  
          </group>  
          </bgp>  
          </protocols>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.



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

---

**Usage**   <configuration>  
           <protocols>  
           <bgp>  
           <group>  
           <neighbor>  
           <family>  
           <inet-vpn>  
           <unicast>  
           **<rib-group>**  
               <ribgroup-name>*ribgroup-name*  
               </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </unicast>  
           </inet-vpn>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

**<rib-group> (configuration/protocols/bgp/group/neighbor/family/inet6/any)**

---

**Usage**   <configuration>  
          <protocols>  
          <bgp>  
          <group>  
          <neighbor>  
          <family>  
          <inet6>  
          <any>  
          **<rib-group>**  
          <ribgroup-name>*ribgroup-name*  
          </ribgroup-name>   <!-- mandatory -->  
          **</rib-group>**  
          </any>  
          </inet6>  
          </family>  
          </neighbor>  
          </group>  
          </bgp>  
          </protocols>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
           <protocols>  
           <bgp>  
           <group>  
           <neighbor>  
           <family>  
           <inet6>  
           <labeled-unicast>  
           **<rib-group>**  
           <ribgroup-name>*ribgroup-name*  
           </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </labeled-unicast>  
           </inet6>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/protocols/bgp/group/neighbor/family/inet6/multicast)**

---

**Usage**

```
<configuration>
  <protocols>
    <bgp>
      <group>
        <neighbor>
          <family>
            <inet6>
              <multicast>
                <rib-group>
                  <ribgroup-name>ribgroup-name
                  </ribgroup-name>    <!-- mandatory -->
                </rib-group>
              </multicast>
            </inet6>
          </family>
        </neighbor>
      </group>
    </bgp>
  </protocols>
</configuration>
```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
           <protocols>  
           <bgp>  
           <group>  
           <neighbor>  
           <family>  
           <inet6>  
           <unicast>  
           **<rib-group>**  
           <ribgroup-name>*ribgroup-name*  
           </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </unicast>  
           </inet6>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/protocols/bgp/group/neighbor/family/inet6-mvpn/signaling)**

---

**Usage**

```
<configuration>
  <protocols>
    <bgp>
      <group>
        <neighbor>
          <family>
            <inet6-mvpn>
              <signaling>
                <rib-group>
                  <ribgroup-name>ribgroup-name
                  </ribgroup-name>    <!-- mandatory -->
                </rib-group>
              </signaling>
            </inet6-mvpn>
          </family>
        </neighbor>
      </group>
    </bgp>
  </protocols>
</configuration>
```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/protocols/bgp/group/neighbor/family/inet6-vpn/any)**

---

**Usage**   <configuration>  
           <protocols>  
           <bgp>  
           <group>  
           <neighbor>  
           <family>  
           <inet6-vpn>  
           <any>  
           **<rib-group>**  
               <ribgroup-name>*ribgroup-name*  
               </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </any>  
           </inet6-vpn>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

**<rib-group> (configuration/protocols/bgp/group/neighbor/family/inet6-vpn/multicast)**

---

**Usage**   <configuration>  
          <protocols>  
          <bgp>  
          <group>  
          <neighbor>  
          <family>  
          <inet6-vpn>  
          <multicast>  
          **<rib-group>**  
          <ribgroup-name>*ribgroup-name*  
          </ribgroup-name>   <!-- mandatory -->  
          **</rib-group>**  
          </multicast>  
          </inet6-vpn>  
          </family>  
          </neighbor>  
          </group>  
          </bgp>  
          </protocols>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.



## **<rib-group> (configuration/protocols/bgp/group/neighbor/family/inet6-vpn/unicast)**

---

**Usage**   <configuration>  
           <protocols>  
           <bgp>  
           <group>  
           <neighbor>  
           <family>  
           <inet6-vpn>  
           <unicast>  
           **<rib-group>**  
           <ribgroup-name>*ribgroup-name*  
           </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </unicast>  
           </inet6-vpn>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

**<rib-group> (configuration/protocols/bgp/group/neighbor/family/iso-vpn/unicast)**

---

**Usage**

```
<configuration>
  <protocols>
    <bgp>
      <group>
        <neighbor>
          <family>
            <iso-vpn>
              <unicast>
                <rib-group>
                  <ribgroup-name>ribgroup-name
                  </ribgroup-name>    <!-- mandatory -->
                </rib-group>
              </unicast>
            </iso-vpn>
          </family>
        </neighbor>
      </group>
    </bgp>
  </protocols>
</configuration>
```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/protocols/bgp/group/neighbor/family/l2vpn/signaling)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <group>  
                 <neighbor>  
                   <family>  
                     <l2vpn>  
                       <signaling>  
                         **<rib-group>**  
                           <ribgroup-name>*ribgroup-name*  
                             </ribgroup-name>   <!-- mandatory -->  
                         **</rib-group>**  
                       </signaling>  
                     </l2vpn>  
                   </family>  
                 </neighbor>  
               </group>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/protocols/dvmrp)**

---

**Usage** <configuration>  
           <protocols>  
             <dvmrp>  
               **<rib-group>**  
                 <ribgroup-name>*ribgroup-name*</ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
             </dvmrp>  
           </protocols>  
         </configuration>

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## <rib-group> (configuration/protocols/isis)

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;protocols&gt;     &lt;isis&gt;       &lt;rib-group&gt;         &lt;inet&gt;inet&lt;/inet&gt;         &lt;inet6&gt;inet6&lt;/inet6&gt;       &lt;/rib-group&gt;     &lt;/isis&gt;   &lt;/protocols&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Routing table group for importing IS-IS routes.
<b>Contents</b>	<p>&lt;inet&gt;—Name of the IPv4 routing table group.</p> <p>&lt;inet6&gt;—Name of the IPv6 routing table group.</p>

## <rib-group> (configuration/protocols/msdp)

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;protocols&gt;     &lt;msdp&gt;       &lt;rib-group&gt;         &lt;ribgroup-name&gt;ribgroup-name&lt;/ribgroup-name&gt;    &lt;!-- mandatory --&gt;       &lt;/rib-group&gt;     &lt;/msdp&gt;   &lt;/protocols&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Routing table group.
<b>Contents</b>	<ribgroup-name>—Name of the routing table group.

**<rib-group> (configuration/protocols/pim)**

---

- Usage** <configuration>  
           <protocols>  
           <pim>  
             **<rib-group>**  
               <inet>*inet*</inet>  
               <inet6>*inet6*</inet6>  
             **</rib-group>**  
           </pim>  
         </protocols>  
       </configuration>
- Description** Routing table group.
- Contents** <inet>—Name of the IPv4 routing table group.  
               <inet6>—Name of the IPv6 routing table group.

**<rib-group> (configuration/protocols/rip)**

---

- Usage** <configuration>  
           <protocols>  
           <rip>  
             **<rib-group>**  
               <ribgroup-name>*ribgroup-name*</ribgroup-name>   <!-- mandatory -->  
             **</rib-group>**  
           </rip>  
         </protocols>  
       </configuration>
- Description** Routing table group for importing RIP routes.
- Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <family>
            <inet>
              <any>
                <rib-group>
                  <ribgroup-name>ribgroup-name
                  </ribgroup-name>    <!-- mandatory -->
                </rib-group>
              </any>
            </inet>
          </family>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <family>  
           <inet>  
           <flow>  
           **<rib-group>**  
           <ribgroup-name>*ribgroup-name*  
           </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </flow>  
           </inet>  
           </family>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <family>
            <inet>
              <labeled-unicast>
                <rib-group>
                  <ribgroup-name>ribgroup-name
                  </ribgroup-name>    <!-- mandatory -->
                </rib-group>
              </labeled-unicast>
            </inet>
          </family>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.



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

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <family>  
           <inet>  
           <multicast>  
           **<rib-group>**  
           <ribgroup-name>*ribgroup-name*  
           </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </multicast>  
           </inet>  
           </family>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <bgp>  
          <family>  
          <inet>  
          <unicast>  
            **<rib-group>**  
              <ribgroup-name>*ribgroup-name*  
              </ribgroup-name>   <!-- mandatory -->  
            **</rib-group>**  
          </unicast>  
          </inet>  
          </family>  
          </bgp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/routing-instances/instance/protocols/bgp/family/inet-mdt/signaling)**

---

**Usage**   <configuration>  
               <routing-instances>  
                   <instance>  
                       <protocols>  
                         <bgp>  
                           <family>  
                               <inet-mdt>  
                                 <signaling>  
                                   **<rib-group>**  
                                       <ribgroup-name>*ribgroup-name*  
   </ribgroup-name>   <!-- mandatory -->  
                                   **</rib-group>**  
                                 </signaling>  
                               </inet-mdt>  
                           </family>  
                         </bgp>  
                       </protocols>  
                   </instance>  
               </routing-instances>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/routing-instances/instance/protocols/bgp/family/inet-mvpn/signaling)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <bgp>  
          <family>  
          <inet-mvpn>  
          <signaling>  
          **<rib-group>**  
            <ribgroup-name>*ribgroup-name*  
            </ribgroup-name>   <!-- mandatory -->  
          **</rib-group>**  
          </signaling>  
          </inet-mvpn>  
          </family>  
          </bgp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/routing-instances/instance/protocols/bgp/family/inet-vpn/any)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <family>  
           <inet-vpn>  
           <any>  
           **<rib-group>**  
             <ribgroup-name>*ribgroup-name*  
             </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </any>  
           </inet-vpn>  
           </family>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
         </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/routing-instances/instance/protocols/bgp/family/inet-vpn/flow)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <bgp>  
          <family>  
          <inet-vpn>  
          <flow>  
          **<rib-group>**  
          <ribgroup-name>*ribgroup-name*  
          </ribgroup-name>   <!-- mandatory -->  
          **</rib-group>**  
          </flow>  
          </inet-vpn>  
          </family>  
          </bgp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/routing-instances/instance/protocols/bgp/family/inet-vpn/multicast)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <family>  
           <inet-vpn>  
           <multicast>  
           **<rib-group>**  
             <ribgroup-name>*ribgroup-name*  
             </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </multicast>  
           </inet-vpn>  
           </family>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
         </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <bgp>  
          <family>  
          <inet-vpn>  
          <unicast>  
            **<rib-group>**  
              <ribgroup-name>*ribgroup-name*  
              </ribgroup-name>   <!-- mandatory -->  
            **</rib-group>**  
            </unicast>  
          </inet-vpn>  
          </family>  
          </bgp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.



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

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <family>  
           <inet6>  
           <any>  
           **<rib-group>**  
           <ribgroup-name>*ribgroup-name*  
           </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </any>  
           </inet6>  
           </family>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <bgp>  
          <family>  
          <inet6>  
          <labeled-unicast>  
          **<rib-group>**  
          <ribgroup-name>*ribgroup-name*  
          </ribgroup-name>   <!-- mandatory -->  
          **</rib-group>**  
          </labeled-unicast>  
          </inet6>  
          </family>  
          </bgp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <family>  
           <inet6>  
           <multicast>  
           **<rib-group>**  
           <ribgroup-name>*ribgroup-name*  
           </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </multicast>  
           </inet6>  
           </family>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <family>
            <inet6>
              <unicast>
                <rib-group>
                  <ribgroup-name>ribgroup-name
                  </ribgroup-name>    <!-- mandatory -->
                </rib-group>
              </unicast>
            </inet6>
          </family>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/routing-instances/instance/protocols/ bgp/family/inet6-mvpn/signaling)**

---

**Usage**   <configuration>  
               <routing-instances>  
                   <instance>  
                       <protocols>  
                           <bgp>  
                               <family>  
                                   <inet6-mvpn>  
                                       <signaling>  
   **<rib-group>**  
   <ribgroup-name>*ribgroup-name*  
   </ribgroup-name>   <!-- mandatory -->  
   **</rib-group>**  
   </signaling>  
                                   </inet6-mvpn>  
                               </family>  
                           </bgp>  
                       </protocols>  
                   </instance>  
               </routing-instances>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

**<rib-group> (configuration/routing-instances/instance/protocols/  
bgp/family/inet6-vpn/any)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <bgp>  
          <family>  
          <inet6-vpn>  
          <any>  
          **<rib-group>**  
          <ribgroup-name>*ribgroup-name*  
          </ribgroup-name>   <!-- mandatory -->  
          **</rib-group>**  
          </any>  
          </inet6-vpn>  
          </family>  
          </bgp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/routing-instances/instance/protocols/bgp/family/inet6-vpn/multicast)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <family>  
           <inet6-vpn>  
           <multicast>  
           **<rib-group>**  
             <ribgroup-name>*ribgroup-name*  
             </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </multicast>  
           </inet6-vpn>  
           </family>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
         </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <bgp>  
          <family>  
          <inet6-vpn>  
          <unicast>  
            **<rib-group>**  
              <ribgroup-name>*ribgroup-name*  
              </ribgroup-name>   <!-- mandatory -->  
            **</rib-group>**  
            </unicast>  
          </inet6-vpn>  
          </family>  
          </bgp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.



## **<rib-group> (configuration/routing-instances/instance/protocols/bgp/family/iso-vpn/unicast)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <family>  
           <iso-vpn>  
           <unicast>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                   </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
               </unicast>  
               </iso-vpn>  
               </family>  
               </bgp>  
               </protocols>  
               </instance>  
               </routing-instances>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <bgp>  
          <family>  
          <l2vpn>  
          <signaling>  
          **<rib-group>**  
          <ribgroup-name>*ribgroup-name*  
          </ribgroup-name>   <!-- mandatory -->  
          **</rib-group>**  
          </signaling>  
          </l2vpn>  
          </family>  
          </bgp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <family>  
           <inet>  
           <any>  
           **<rib-group>**  
               <ribgroup-name>*ribgroup-name*  
               </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </any>  
           </inet>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet>  
          <flow>  
            **<rib-group>**  
              <ribgroup-name>*ribgroup-name*  
              </ribgroup-name>   <!-- mandatory -->  
            **</rib-group>**  
          </flow>  
          </inet>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <family>  
           <inet>  
           <labeled-unicast>  
           **<rib-group>**  
           <ribgroup-name>*ribgroup-name*  
           </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </labeled-unicast>  
           </inet>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet>  
          <multicast>  
            **<rib-group>**  
              <ribgroup-name>*ribgroup-name*  
              </ribgroup-name>   <!-- mandatory -->  
            **</rib-group>**  
          </multicast>  
          </inet>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <family>  
           <inet>  
           <unicast>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                   </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
           </unicast>  
           </inet>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/routing-instances/instance/protocols/bgp/group/family/inet-mdt/signaling)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <inet-mdt>
                <signaling>
                  <rib-group>
                    <ribgroup-name>ribgroup-name
                    </ribgroup-name>    <!-- mandatory -->
                  </rib-group>
                </signaling>
              </inet-mdt>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.



## **<rib-group> (configuration/routing-instances/instance/protocols/bgp/group/family/inet-mvpn/signaling)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <family>  
           <inet-mvpn>  
           <signaling>  
           **<rib-group>**  
               <ribgroup-name>*ribgroup-name*  
               </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </signaling>  
           </inet-mvpn>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/routing-instances/instance/protocols/bgp/group/family/inet-vpn/any)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <inet-vpn>
                <any>
                  <rib-group>
                    <ribgroup-name>ribgroup-name
                    </ribgroup-name>    <!-- mandatory -->
                  </rib-group>
                </any>
              </inet-vpn>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/routing-instances/instance/protocols/bgp/group/family/inet-vpn/flow)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <family>  
           <inet-vpn>  
           <flow>  
           **<rib-group>**  
             <ribgroup-name>*ribgroup-name*  
             </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </flow>  
           </inet-vpn>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/routing-instances/instance/protocols/bgp/group/family/inet-vpn/multicast)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <inet-vpn>
                <multicast>
                  <rib-group>
                    <ribgroup-name>ribgroup-name
                    </ribgroup-name>    <!-- mandatory -->
                  </rib-group>
                </multicast>
              </inet-vpn>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <family>  
           <inet-vpn>  
           <unicast>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                   </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
           </unicast>  
           </inet-vpn>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
         </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <inet6>
                <any>
                  <rib-group>
                    <ribgroup-name>ribgroup-name
                    </ribgroup-name>    <!-- mandatory -->
                  </rib-group>
                </any>
              </inet6>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <family>  
           <inet6>  
           <labeled-unicast>  
           **<rib-group>**  
           <ribgroup-name>*ribgroup-name*  
           </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </labeled-unicast>  
           </inet6>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <inet6>
                <multicast>
                  <rib-group>
                    <ribgroup-name>ribgroup-name
                    </ribgroup-name>    <!-- mandatory -->
                  </rib-group>
                </multicast>
              </inet6>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.



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

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <family>  
           <inet6>  
           <unicast>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                   </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
           </unicast>  
           </inet6>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/routing-instances/instance/protocols/bgp/group/family/inet6-mvpn/signaling)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <family>
              <inet6-mvpn>
                <signaling>
                  <rib-group>
                    <ribgroup-name>ribgroup-name
                    </ribgroup-name>    <!-- mandatory -->
                  </rib-group>
                </signaling>
              </inet6-mvpn>
            </family>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/routing-instances/instance/protocols/bgp/group/family/inet6-vpn/any)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <family>  
           <inet6-vpn>  
           <any>  
           **<rib-group>**  
               <ribgroup-name>*ribgroup-name*  
               </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </any>  
           </inet6-vpn>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/routing-instances/instance/protocols/bgp/group/family/inet6-vpn/multicast)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <inet6-vpn>  
          <multicast>  
          **<rib-group>**  
          <ribgroup-name>*ribgroup-name*  
          </ribgroup-name>   <!-- mandatory -->  
          **</rib-group>**  
          </multicast>  
          </inet6-vpn>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <family>  
           <inet6-vpn>  
           <unicast>  
             **<rib-group>**  
               <ribgroup-name>*ribgroup-name*  
               </ribgroup-name>   <!-- mandatory -->  
             **</rib-group>**  
           </unicast>  
           </inet6-vpn>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
         </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/routing-instances/instance/protocols/bgp/group/family/iso-vpn/unicast)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <bgp>  
          <group>  
          <family>  
          <iso-vpn>  
          <unicast>  
            **<rib-group>**  
              <ribgroup-name>*ribgroup-name*  
              </ribgroup-name>   <!-- mandatory -->  
            **</rib-group>**  
          </unicast>  
          </iso-vpn>  
          </family>  
          </group>  
          </bgp>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <family>  
           <l2vpn>  
           <signaling>  
             **<rib-group>**  
               <ribgroup-name>*ribgroup-name*  
               </ribgroup-name>   <!-- mandatory -->  
             **</rib-group>**  
           </signaling>  
           </l2vpn>  
           </family>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
         </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

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

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <neighbor>
              <family>
                <inet>
                  <any>
                    <rib-group>
                      <ribgroup-name>ribgroup-name
                        </ribgroup-name>      <!-- mandatory -->
                    </rib-group>
                  </any>
                </inet>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.



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

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <neighbor>  
           <family>  
           <inet>  
           <flow>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                   </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
           </flow>  
           </inet>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                    <rib-group>
                      <ribgroup-name>ribgroup-name
                      </ribgroup-name>    <!-- mandatory -->
                    </rib-group>
                  </labeled-unicast>
                </inet>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <neighbor>  
           <family>  
           <inet>  
           <multicast>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                   </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
           </multicast>  
           </inet>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

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

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <neighbor>
              <family>
                <inet>
                  <unicast>
                    <rib-group>
                      <ribgroup-name>ribgroup-name
                        </ribgroup-name>    <!-- mandatory -->
                    </rib-group>
                  </unicast>
                </inet>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/routing-instances/instance/protocols/ bgp/group/neighbor/family/inet-mdt/signaling)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <neighbor>  
           <family>  
           <inet-mdt>  
           <signaling>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                   </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
           </signaling>  
           </inet-mdt>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                    <rib-group>
                      <ribgroup-name>ribgroup-name
                      </ribgroup-name>      <!-- mandatory -->
                    </rib-group>
                  </signaling>
                </inet-mvpn>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                   </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
               </any>  
           </inet-vpn>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                    <rib-group>
                      <ribgroup-name>ribgroup-name
                      </ribgroup-name>    <!-- mandatory -->
                    </rib-group>
                  </flow>
                </inet-vpn>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.



## **<rib-group> (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>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                   </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
           </multicast>  
           </inet-vpn>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                    <rib-group>
                      <ribgroup-name>ribgroup-name
                      </ribgroup-name>    <!-- mandatory -->
                    </rib-group>
                  </unicast>
                </inet-vpn>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <neighbor>  
           <family>  
           <inet6>  
           <any>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                   </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
           </any>  
           </inet6>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                    <rib-group>
                      <ribgroup-name>ribgroup-name
                      </ribgroup-name>    <!-- mandatory -->
                    </rib-group>
                  </labeled-unicast>
                </inet6>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

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

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <neighbor>  
           <family>  
           <inet6>  
           <multicast>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                   </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
           </multicast>  
           </inet6>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

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

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <neighbor>
              <family>
                <inet6>
                  <unicast>
                    <rib-group>
                      <ribgroup-name>ribgroup-name
                      </ribgroup-name>    <!-- mandatory -->
                    </rib-group>
                  </unicast>
                </inet6>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>  
           **<rib-group>**  
               <ribgroup-name>*ribgroup-name*  
               </ribgroup-name>   <!-- mandatory -->  
           **</rib-group>**  
           </signaling>  
           </inet6-mvpn>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                    <rib-group>
                      <ribgroup-name>ribgroup-name
                      </ribgroup-name>    <!-- mandatory -->
                    </rib-group>
                  </any>
                </inet6-vpn>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.



## **<rib-group> (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>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                   </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
               </multicast>  
           </inet6-vpn>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Routing table group.

**Contents**   <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>
                    <rib-group>
                      <ribgroup-name>ribgroup-name
                      </ribgroup-name>    <!-- mandatory -->
                    </rib-group>
                  </unicast>
                </inet6-vpn>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (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>  
               **<rib-group>**  
                   <ribgroup-name>*ribgroup-name*  
                       </ribgroup-name>   <!-- mandatory -->  
               **</rib-group>**  
               </unicast>  
           </iso-vpn>  
           </family>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Routing table group.

**Contents**    <ribgroup-name>—Name of the routing table group.

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

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <neighbor>
              <family>
                <l2vpn>
                  <signaling>
                    <rib-group>
                      <ribgroup-name>ribgroup-name
                        </ribgroup-name>    <!-- mandatory -->
                    </rib-group>
                  </signaling>
                </l2vpn>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Routing table group.

**Contents** <ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/routing-instances/instance/protocols/isis)**

---

- Usage** `<configuration>`  
     `<routing-instances>`  
         `<instance>`  
             `<protocols>`  
                 `<isis>`  
                     **`<rib-group>`**  
                         `<inet>inet</inet>`  
                         `<inet6>inet6</inet6>`  
                     **`</rib-group>`**  
                 `</isis>`  
             `</protocols>`  
         `</instance>`  
     `</routing-instances>`  
`</configuration>`
- Description** Routing table group for importing IS-IS routes.
- Contents** `<inet>`—Name of the IPv4 routing table group.  
     `<inet6>`—Name of the IPv6 routing table group.

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

---

- Usage** `<configuration>`  
     `<routing-instances>`  
         `<instance>`  
             `<protocols>`  
                 `<msdp>`  
                     **`<rib-group>`**  
                         `<ribgroup-name>ribgroup-name</ribgroup-name>`   <!-- mandatory -->  
                     **`</rib-group>`**  
                 `</msdp>`  
             `</protocols>`  
         `</instance>`  
     `</routing-instances>`  
`</configuration>`
- Description** Routing table group.
- Contents** `<ribgroup-name>`—Name of the routing table group.

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;protocols&gt;         &lt;pim&gt;           &lt;rib-group&gt;             &lt;inet&gt;inet&lt;/inet&gt;             &lt;inet6&gt;inet6&lt;/inet6&gt;           &lt;/rib-group&gt;         &lt;/pim&gt;       &lt;/protocols&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Routing table group.
<b>Contents</b>	<p>&lt;inet&gt;—Name of the IPv4 routing table group.</p> <p>&lt;inet6&gt;—Name of the IPv6 routing table group.</p>

## **<rib-group> (configuration/routing-instances/instance/protocols/rip)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;protocols&gt;         &lt;rip&gt;           &lt;rib-group&gt;             &lt;ribgroup-name&gt;ribgroup-name&lt;/ribgroup-name&gt;    &lt;!-- mandatory --&gt;           &lt;/rib-group&gt;         &lt;/rip&gt;       &lt;/protocols&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Routing table group for importing RIP routes.
<b>Contents</b>	<ribgroup-name>—Name of the routing table group.

## **<rib-group> (configuration/routing-instances/instance/ routing-options/interface-routes)**

---

**Usage** <configuration>  
           <routing-instances>  
           <instance>  
           <routing-options>  
           <interface-routes>  
           **<rib-group>**  
           <inet>*inet*</inet>  
           <inet6>*inet6*</inet6>  
           **</rib-group>**  
           </interface-routes>  
           </routing-options>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description** Routing table group.

**Contents** <inet>—Name of the IPv4 routing table group.  
               <inet6>—Name of the IPv6 routing table group.

## **<rib-group> (configuration/routing-options/interface-routes)**

---

**Usage** <configuration>  
           <routing-options>  
           <interface-routes>  
           **<rib-group>**  
           <inet>*inet*</inet>  
           <inet6>*inet6*</inet6>  
           **</rib-group>**  
           </interface-routes>  
           </routing-options>  
           </configuration>

**Description** Routing table group.

**Contents** <inet>—Name of the IPv4 routing table group.  
               <inet6>—Name of the IPv6 routing table group.

## **<rib-groups> (configuration/logical-systems/routing-instances/instance/routing-options)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          **<rib-groups>**  
            <name>name</name>    <!-- identifier -->  
            <export-rib>export-rib</export-rib>  
            <import-rib>...</import-rib>  
            <import-policy>...</import-policy>  
          **</rib-groups>**  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Group of routing tables.

**Contents**   <export-rib>—Export routing table.

          <import-policy>—Import policy.

          <import-rib>—Import routing table.

          <name>—Routing table group.



**<rib-groups> (configuration/logical-systems/routing-options)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-options&gt;       &lt;rib-groups&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;export-rib&gt;export-rib&lt;/export-rib&gt;         &lt;import-rib&gt;...&lt;/import-rib&gt;         &lt;import-policy&gt;...&lt;/import-policy&gt;       &lt;/rib-groups&gt;     &lt;/routing-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Group of routing tables.
<b>Contents</b>	<p>&lt;export-rib&gt;—Export routing table.</p> <p>&lt;import-policy&gt;—Import policy.</p> <p>&lt;import-rib&gt;—Import routing table.</p> <p>&lt;name&gt;—Routing table group.</p>

**<rib-groups> (configuration/routing-instances/instance/routing-options)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;routing-options&gt;         &lt;rib-groups&gt;           &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;           &lt;export-rib&gt;export-rib&lt;/export-rib&gt;           &lt;import-rib&gt;...&lt;/import-rib&gt;           &lt;import-policy&gt;...&lt;/import-policy&gt;         &lt;/rib-groups&gt;       &lt;/routing-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Group of routing tables.
<b>Contents</b>	<p>&lt;export-rib&gt;—Export routing table.</p> <p>&lt;import-policy&gt;—Import policy.</p> <p>&lt;import-rib&gt;—Import routing table.</p> <p>&lt;name&gt;—Routing table group.</p>

## **<rib-groups> (configuration/routing-options)**

---

**Usage**   <configuration>  
          <routing-options>  
            **<rib-groups>**  
              <name>*name*</name>   <!-- identifier -->  
              <export-rib>*export-rib*</export-rib>  
              <import-rib>...</import-rib>  
              <import-policy>...</import-policy>  
            **</rib-groups>**  
          </routing-options>  
        </configuration>

**Description**   Group of routing tables.

**Contents**   <export-rib>—Export routing table.  
  
              <import-policy>—Import policy.  
  
              <import-rib>—Import routing table.  
  
              <name>—Routing table group.

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

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           **<rip>**  
             <traceoptions>...</traceoptions>  
             <rib-group>...</rib-group>  
             <metric-in>*metric-in*</metric-in>  
             <send>...</send>  
             <receive>...</receive>  
             <check-zero/>  
             <message-size>*message-size*</message-size>  
             <import>...</import>  
             <holddown>*seconds*</holddown>  
             <route-timeout>*seconds*</route-timeout>  
             <update-interval>*seconds*</update-interval>  
             <authentication-type>*authentication-type-choice*</authentication-type>  
             <authentication-key>*authentication-key*</authentication-key>  
             <group>...</group>  
             <graceful-restart>...</graceful-restart>  
           **</rip>**  
         </protocols>  
       </logical-systems>  
     </configuration>

**Description** RIP options.

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

<authentication-type>—Authentication type.

- md5—MD5 authentication.
- none—No authentication.
- simple—Simple password authentication.

<check-zero>—Check reserved fields on incoming RIPv2 packets.

<graceful-restart>—RIP graceful restart options.

<group>—Instance configuration.

<holddown>—Hold-down time.

<import>—Import policy.

<message-size>—Number of route entries per update message.

<metric-in>—Metric value to add to incoming routes.

<receive>—Configure RIP receive options.

<rib-group>—Routing table group for importing RIP routes.

<route-timeout>—Delay before routes time out.

<send>—Configure RIP send options.

<traceoptions>—Trace options for RIP.

<update-interval>—Interval between regular route updates.

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

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <protocols>  
                     **<rip>**  
                         <traceoptions>...</traceoptions>  
                         <rib-group>...</rib-group>  
                         <metric-in>*metric-in*</metric-in>  
                         <send>...</send>  
                         <receive>...</receive>  
                         <check-zero/>  
                         <message-size>*message-size*</message-size>  
                         <import>...</import>  
                         <holddown>*seconds*</holddown>  
                         <route-timeout>*seconds*</route-timeout>  
                         <update-interval>*seconds*</update-interval>  
                         <authentication-type>*authentication-type-choice*</authentication-type>  
                         <authentication-key>*authentication-key*</authentication-key>  
                         <group>...</group>  
                         <graceful-restart>...</graceful-restart>  
                     **</rip>**  
                 </protocols>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** RIP options.

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

<authentication-type>—Authentication type.

- md5—MD5 authentication.
- none—No authentication.
- simple—Simple password authentication.

<check-zero>—Check reserved fields on incoming RIPv2 packets.

<graceful-restart>—RIP graceful restart options.

<group>—Instance configuration.

<holddown>—Hold-down time.

<import>—Import policy.

<message-size>—Number of route entries per update message.

<metric-in>—Metric value to add to incoming routes.

<receive>—Configure RIP receive options.

<rib-group>—Routing table group for importing RIP routes.

<route-timeout>—Delay before routes time out.

<send>—Configure RIP send options.

<traceoptions>—Trace options for RIP.

<update-interval>—Interval between regular route updates.

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

---

**Usage** <configuration>  
 <protocols>  
 <rip>  
 <traceoptions>...</traceoptions>  
 <rib-group>...</rib-group>  
 <metric-in>*metric-in*</metric-in>  
 <send>...</send>  
 <receive>...</receive>  
 <check-zero/>  
 <message-size>*message-size*</message-size>  
 <import>...</import>  
 <holddown>*seconds*</holddown>  
 <route-timeout>*seconds*</route-timeout>  
 <update-interval>*seconds*</update-interval>  
 <authentication-type>*authentication-type-choice*</authentication-type>  
 <authentication-key>*authentication-key*</authentication-key>  
 <group>...</group>  
 <graceful-restart>...</graceful-restart>  
 </rip>  
 </protocols>  
 </configuration>

**Description** RIP options.

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

<authentication-type>—Authentication type.

- md5—MD5 authentication.
- none—No authentication.
- simple—Simple password authentication.

<check-zero>—Check reserved fields on incoming RIPv2 packets.

<graceful-restart>—RIP graceful restart options.

<group>—Instance configuration.

<holddown>—Hold-down time.

<import>—Import policy.

<message-size>—Number of route entries per update message.

<metric-in>—Metric value to add to incoming routes.

<receive>—Configure RIP receive options.

<rib-group>—Routing table group for importing RIP routes.

<route-timeout>—Delay before routes time out.

<send>—Configure RIP send options.

<traceoptions>—Trace options for RIP.

<update-interval>—Interval between regular route updates.



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

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <protocols>  
                 **<rip>**  
                   <traceoptions>...</traceoptions>  
                   <rib-group>...</rib-group>  
                   <metric-in>*metric-in*</metric-in>  
                   <send>...</send>  
                   <receive>...</receive>  
                   <check-zero/>  
                   <message-size>*message-size*</message-size>  
                   <import>...</import>  
                   <holddown>*seconds*</holddown>  
                   <route-timeout>*seconds*</route-timeout>  
                   <update-interval>*seconds*</update-interval>  
                   <authentication-type>*authentication-type-choice*</authentication-type>  
                   <authentication-key>*authentication-key*</authentication-key>  
                   <group>...</group>  
                   <graceful-restart>...</graceful-restart>  
                 **</rip>**  
               </protocols>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** RIP options.

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

<authentication-type>—Authentication type.

- md5—MD5 authentication.
- none—No authentication.
- simple—Simple password authentication.

<check-zero>—Check reserved fields on incoming RIPv2 packets.

<graceful-restart>—RIP graceful restart options.

<group>—Instance configuration.

<holddown>—Hold-down time.

<import>—Import policy.

<message-size>—Number of route entries per update message.

<metric-in>—Metric value to add to incoming routes.

<receive>—Configure RIP receive options.

<rib-group>—Routing table group for importing RIP routes.

<route-timeout>—Delay before routes time out.

<send>—Configure RIP send options.

<traceoptions>—Trace options for RIP.

<update-interval>—Interval between regular route updates.

## <ripng> (configuration/logical-systems/protocols)

---

**Usage** <configuration>  
 <logical-systems>  
 <protocols>  
 <ripng>  
 <traceoptions>...</traceoptions>  
 <metric-in>*metric-in*</metric-in>  
 <send>...</send>  
 <receive>...</receive>  
 <import>...</import>  
 <holddown>*seconds*</holddown>  
 <route-timeout>*seconds*</route-timeout>  
 <update-interval>*seconds*</update-interval>  
 <group>...</group>  
 <graceful-restart>...</graceful-restart>  
 </ripng>  
 </protocols>  
 </logical-systems>  
 </configuration>

**Description** RIPng options.

**Contents** <graceful-restart>—RIPng graceful restart options.

<group>—Instance configuration.

<holddown>—Hold-down time.

<import>—Import policy.

<metric-in>—Metric value to add to incoming routes.

<receive>—Configure RIPng receive options.

<route-timeout>—Delay before routes time out.

<send>—Configure RIPng send options.

<traceoptions>—Trace options for RIPng.

<update-interval>—Interval between regular route updates.

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

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <protocols>  
                     **<ripng>**  
                         <traceoptions>...</traceoptions>  
                         <metric-in>*metric-in*</metric-in>  
                         <send>...</send>  
                         <receive>...</receive>  
                         <import>...</import>  
                         <holddown>*seconds*</holddown>  
                         <route-timeout>*seconds*</route-timeout>  
                         <update-interval>*seconds*</update-interval>  
                         <group>...</group>  
                         <graceful-restart>...</graceful-restart>  
                     **</ripng>**  
                 </protocols>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** RIPng options.

**Contents** <graceful-restart>—RIPng graceful restart options.

<group>—Instance configuration.

<holddown>—Hold-down time.

<import>—Import policy.

<metric-in>—Metric value to add to incoming routes.

<receive>—Configure RIPng receive options.

<route-timeout>—Delay before routes time out.

<send>—Configure RIPng send options.

<traceoptions>—Trace options for RIPng.

<update-interval>—Interval between regular route updates.

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

---

**Usage** <configuration>  
 <protocols>  
   **<ripng>**  
     <traceoptions>...</traceoptions>  
     <metric-in>*metric-in*</metric-in>  
     <send>...</send>  
     <receive>...</receive>  
     <import>...</import>  
     <holddown>*seconds*</holddown>  
     <route-timeout>*seconds*</route-timeout>  
     <update-interval>*seconds*</update-interval>  
     <group>...</group>  
     <graceful-restart>...</graceful-restart>  
   **</ripng>**  
 </protocols>  
</configuration>

**Description** RIPng options.

**Contents** <graceful-restart>—RIPng graceful restart options.

<group>—Instance configuration.

<holddown>—Hold-down time.

<import>—Import policy.

<metric-in>—Metric value to add to incoming routes.

<receive>—Configure RIPng receive options.

<route-timeout>—Delay before routes time out.

<send>—Configure RIPng send options.

<traceoptions>—Trace options for RIPng.

<update-interval>—Interval between regular route updates.

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

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <protocols>  
                 **<ripng>**  
                   <traceoptions>...</traceoptions>  
                   <metric-in>*metric-in*</metric-in>  
                   <send>...</send>  
                   <receive>...</receive>  
                   <import>...</import>  
                   <holddown>*seconds*</holddown>  
                   <route-timeout>*seconds*</route-timeout>  
                   <update-interval>*seconds*</update-interval>  
                   <group>...</group>  
                   <graceful-restart>...</graceful-restart>  
                 **</ripng>**  
               </protocols>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** RIPng options.

**Contents** <graceful-restart>—RIPng graceful restart options.

<group>—Instance configuration.

<holddown>—Hold-down time.

<import>—Import policy.

<metric-in>—Metric value to add to incoming routes.

<receive>—Configure RIPng receive options.

<route-timeout>—Delay before routes time out.

<send>—Configure RIPng send options.

<traceoptions>—Trace options for RIPng.

<update-interval>—Interval between regular route updates.

## **<rmon> (configuration/snmp)**

---

**Usage**   <configuration>  
          <snmp>  
            **<rmon>**  
              <history>...</history>  
              <alarm>...</alarm>  
              <event>...</event>  
            **</rmon>**  
          </snmp>  
        </configuration>

**Description**   Remote Monitoring configuration.

**Contents**    <alarm>—RMON alarm entries.  
  
              <event>—RMON event entries.  
  
              <history>—RMON history entries.

## **<ro-profile> (configuration/services/ggsn/apn/service-based-charging/credit-control)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <apn>  
                 <service-based-charging>  
                     <credit-control>  
                         **<ro-profile>**  
                             <name>*name*</name>   <!-- identifier -->  
                             <diameter-application-system>*diameter-application-system*  
                                 </diameter-application-system>   <!-- mandatory -->  
                             <additional-allowed-das>...</additional-allowed-das>  
                             <service-context-id>*service-context-id-choice*</service-context-id>  
                             <ccr-avp>...</ccr-avp>  
                             <no-preemptive-reservation/>  
                             <redirect>...</redirect>  
                             <failure>...</failure>  
                             <no-initiate-session-on-activation/>  
                         **</ro-profile>**  
                     </credit-control>  
                 </service-based-charging>  
             </apn>  
         </ggsn>  
     </services>  
</configuration>

**Description** Ro-based credit control profile.

**Contents** <additional-allowed-das>—Additional diameter application system allowed for the profile.

<ccr-avp>—Inclusion of optional attributes in credit control requests.

<diameter-application-system>—Diameter application system.

<failure>—Failure handling settings for ro.

<name>—Profile identifier.

<no-initiate-session-on-activation>—Don't initiate a credit session on context activation.

<no-preemptive-reservation>—Do not allow OCS to reserve quota preemptively.

<redirect>—Settings for redirect.

<service-context-id>—Credit-control service-context supported.

- 6.32251@3gpp.org—Service context ID for 6.32251@3GPP.org.
- id—Service context identifier.
- v1.gy.ggsn@ericsson.com—Service context ID for v1.gy.ggsn@ericsson.com.

## **<roaming> (configuration/services/ggsn/apn)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;apn&gt;         &lt;roaming&gt;           &lt;roaming-class&gt;...&lt;/roaming-class&gt;           &lt;default&gt;...&lt;/default&gt;    &lt;!-- mandatory --&gt;         &lt;/roaming&gt;       &lt;/apn&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Roaming class settings.
<b>Contents</b>	<p>&lt;default&gt;—Default roaming class.</p> <p>&lt;roaming-class&gt;—Roaming class.</p>



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

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <apn>  
                 <pdp-context>  
                     <session-control>  
                         <idle-timeout>  
                             **<roaming>**  
                                 <timeout>*minutes*</timeout>  
                                 <no-supervision/>  
                                 <measurement-type>*measurement-type-choice*</measurement-type>  
                             **</roaming>**  
                         </idle-timeout>  
                     </session-control>  
                 </pdp-context>  
             </apn>  
         </ggsn>  
     </services>  
</configuration>

**Description** Timeout settings based on roaming.

**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.

<no-supervision>—Don't allow roaming-based idle supervision.

<timeout>—Maximum context idle time, a multiple of 15.

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

---

**Usage**

```

<configuration>
  <services>
    <ggsn>
      <apn>
        <pdp-context>
          <session-control>
            <session-timeout>
              <roaming>
                <timeout>minutes</timeout>
                <no-supervision/>
                <measurement-type>measurement-type-choice</measurement-type>
              </roaming>
            </session-timeout>
          </session-control>
        </pdp-context>
      </apn>
    </ggsn>
  </services>
</configuration>

```

**Description** Timeout settings based on roaming.

**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.

<no-supervision>—Don't allow roaming-based session supervision.

<timeout>—Maximum duration for a context.

## **<roaming> (configuration/services/ggsn/pdp-context/session-control/idle-timeout)**

---

**Usage**   <configuration>  
               <services>  
                   <ggsn>  
                     <pdp-context>  
                       <session-control>  
                         <idle-timeout>  
                           **<roaming>**  
                             <timeout>*minutes*</timeout>   <!-- mandatory -->  
                             <measurement-type>*measurement-type-choice*</measurement-type>  
                           **</roaming>**  
                         </idle-timeout>  
                       </session-control>  
                     </pdp-context>  
                   </ggsn>  
               </services>  
             </configuration>

**Description**   Timeout settings based on roaming.

**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.

<timeout>—Maximum consecutive idle minutes for a context.

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

---

**Usage**

```

<configuration>
  <services>
    <ggsn>
      <pdp-context>
        <session-control>
          <session-timeout>
            <roaming>
              <timeout>minutes</timeout>    <!-- mandatory -->
              <measurement-type>measurement-type-choice</measurement-type>
            </roaming>
          </session-timeout>
        </session-control>
      </pdp-context>
    </ggsn>
  </services>
</configuration>

```

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

**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.

<timeout>—Maximum duration for a context.

## **<roaming-class> (configuration/services/ggsn/apn/qos-control/profile)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;apn&gt;         &lt;qos-control&gt;           &lt;profile&gt;             &lt;roaming-class&gt;               &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;               &lt;quality-of-service&gt;...&lt;/quality-of-service&gt;               &lt;default-quality-of-service&gt;...&lt;/default-quality-of-service&gt;             &lt;/roaming-class&gt;           &lt;/profile&gt;         &lt;/qos-control&gt;       &lt;/apn&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Roaming class.
<b>Contents</b>	<p>&lt;default-quality-of-service&gt;—Default quality of service.</p> <p>&lt;name&gt;—Roaming class identifier.</p> <p>&lt;quality-of-service&gt;—Quality of service.</p>

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;apn&gt;         &lt;roaming&gt;           &lt;roaming-class&gt;             &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;             &lt;plmn&gt;...&lt;/plmn&gt;    &lt;!-- mandatory --&gt;           &lt;/roaming-class&gt;         &lt;/roaming&gt;       &lt;/apn&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Roaming class.
<b>Contents</b>	<p>&lt;name&gt;—Roaming class identifier.</p> <p>&lt;plmn&gt;—Public Land Mobile Network name.</p>

## **<roaming-class> (configuration/services/ggsn/apn/service-based-charging/block-based-charging/profile)**

---

**Usage**

```

<configuration>
  <services>
    <ggsn>
      <apn>
        <service-based-charging>
          <block-based-charging>
            <profile>
              <roaming-class>
                <name>name</name>    <!-- identifier -->
                <default-service-class-group>...</default-service-class-group>
                <service-class-group>...</service-class-group>
                <duration-time>...</duration-time>
                <volume>...</volume>
              </roaming-class>
            </profile>
          </block-based-charging>
        </service-based-charging>
      </apn>
    </ggsn>
  </services>
</configuration>

```

**Description** Roaming class.

**Contents** <default-service-class-group>—Default service class settings for block-based charging.

<duration-time>—Duration time block settings.

<name>—Roaming class identifier.

<service-class-group>—Service class settings for block-based charging.

<volume>—Volume block settings.

## **<roaming-class> (configuration/services/ggsn/apn/service-based-charging/policy-control/static/profile/activation-time)**

---

**Usage**

```

<configuration>
  <services>
    <ggsn>
      <apn>
        <service-based-charging>
          <policy-control>
            <static>
              <profile>
                <activation-time>
                  <roaming-class>
                    <name>name</name>    <!-- identifier -->
                    <quality-of-service>...</quality-of-service>
                    <default-quality-of-service>...
                      </default-quality-of-service>    <!-- mandatory -->
                  </roaming-class>
                </activation-time>
              </profile>
            </static>
          </policy-control>
        </service-based-charging>
      </apn>
    </ggsn>
  </services>
</configuration>

```

**Description** Roaming class for rates.

**Contents** <default-quality-of-service>—Default quality of service for rates.

<name>—Roaming class identifier.

<quality-of-service>—Quality of service for rates.

## **<roaming-class> (configuration/services/ggsn/apn/service-based-charging/policy-control/static/profile/all-time)**

---

**Usage**

```

<configuration>
  <services>
    <ggsn>
      <apn>
        <service-based-charging>
          <policy-control>
            <static>
              <profile>
                <all-time>
                  <roaming-class>
                    <name>name</name>    <!-- identifier -->
                    <quality-of-service>...</quality-of-service>
                    <default-quality-of-service>...
                      </default-quality-of-service>    <!-- mandatory -->
                  </roaming-class>
                </all-time>
              </profile>
            </static>
          </policy-control>
        </service-based-charging>
      </apn>
    </ggsn>
  </services>
</configuration>

```

**Description** Roaming class for rates.

**Contents** <default-quality-of-service>—Default quality of service for rates.

<name>—Roaming class identifier.

<quality-of-service>—Quality of service for rates.



## **<roaming-class> (configuration/services/ggsn/rule-space/local-policy-control/activation-time)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <rule-space>  
           <local-policy-control>  
           <activation-time>  
           **<roaming-class>**  
             <name>name</name>   <!-- identifier -->  
             <quality-of-service>...</quality-of-service>  
             <default-quality-of-service>...  
                                   </default-quality-of-service>   <!-- mandatory -->  
           **</roaming-class>**  
           </activation-time>  
           </local-policy-control>  
           </rule-space>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Authorization settings for roaming class.

**Contents**   <default-quality-of-service>—Default authorization settings for quality of service.

          <name>—Roaming class identifier.

          <quality-of-service>—Authorization settings for quality of service.

## **<roaming-class> (configuration/services/ggsn/rule-space/local-policy-control/all-time)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <rule-space>  
                 <local-policy-control>  
                     <all-time>  
                         **<roaming-class>**  
                             <name>name</name>   <!-- identifier -->  
                             <quality-of-service>...</quality-of-service>  
                             <default-quality-of-service>...  
                                     </default-quality-of-service>   <!-- mandatory -->  
                         **</roaming-class>**  
                     </all-time>  
                 </local-policy-control>  
             </rule-space>  
         </ggsn>  
     </services>  
</configuration>

**Description** Authorization settings for roaming class .

**Contents** <default-quality-of-service>—Default authorization settings for quality of service.  
     <name>—Roaming class identifier.  
     <quality-of-service>—Authorization settings for quality of service.

## **<root-authentication> (configuration/system)**

---

**Usage** <configuration>  
     <system>  
         **<root-authentication>**  
             <plain-text-password-value>plain-text-password-value  
                 </plain-text-password-value>  
             <encrypted-password>encrypted-password</encrypted-password>  
             <ssh-rsa>...</ssh-rsa>  
             <ssh-dsa>...</ssh-dsa>  
         **</root-authentication>**  
     </system>  
</configuration>

**Description** Authentication information for the root login.

**Contents** <encrypted-password>—Encrypted password string.  
     <plain-text-password-value>—Plain text password.  
     <ssh-dsa>—Secure shell (ssh) DSA public key string.  
     <ssh-rsa>—Secure shell (ssh) RSA public key string.

## **<route> (configuration/dynamic-profiles/interfaces/interface/unit/family/inet/address/vrrp-group/track)**

---

**Usage**

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <unit>
          <family>
            <inet>
              <address>
                <vrrp-group>
                  <track>
                    <route>
                      <route_address>route_address
                        </route_address>    <!-- identifier -->
                      <routing-instance>routing-instance
                        </routing-instance>  <!-- identifier -->
                      <priority-cost>priority-cost</priority-cost>
                    </route>
                  </track>
                </vrrp-group>
              </address>
            </inet>
          </family>
        </unit>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

**Description** Route to track in VRRP group.

**Contents**

- <priority-cost>—Value to subtract from priority when route is down.
- <route\_address>—Route address.
- <routing-instance>—Routing instance to which route belongs, or 'default'.

## **<route> (configuration/dynamic-profiles/interfaces/interface/unit/family/inet6/address/vrrp-inet6-group/track)**

---

**Usage**

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <unit>
          <family>
            <inet6>
              <address>
                <vrrp-inet6-group>
                  <track>
                    <route>
                      <route_address>route_address
                      </route_address>    <!-- identifier -->
                      <routing-instance>routing-instance
                      </routing-instance>  <!-- identifier -->
                      <priority-cost>priority-cost</priority-cost>
                    </route>
                  </track>
                </vrrp-inet6-group>
              </address>
            </inet6>
          </family>
        </unit>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

**Description** Route to track in VRRP group.

**Contents**

- <priority-cost>—Value to subtract from priority when route is down.
- <route\_address>—Route address.
- <routing-instance>—Routing instance to which route belongs, or 'default'.

## **<route> (configuration/interfaces/interface/unit/family/inet/address/vrrp-group/track)**

---

**Usage**

```

<configuration>
  <interfaces>
    <interface>
      <unit>
        <family>
          <inet>
            <address>
              <vrrp-group>
                <track>
                  <route>
                    <route_address>route_address
                    </route_address>    <!-- identifier -->
                    <routing-instance>routing-instance
                    </routing-instance>  <!-- identifier -->
                    <priority-cost>priority-cost</priority-cost>
                  </route>
                </track>
              </vrrp-group>
            </address>
          </inet>
        </family>
      </unit>
    </interface>
  </interfaces>
</configuration>

```

**Description** Route to track in VRRP group.

**Contents**

- <priority-cost>—Value to subtract from priority when route is down.
- <route\_address>—Route address.
- <routing-instance>—Routing instance to which route belongs, or 'default'.

## **<route> (configuration/interfaces/interface/unit/family/inet6/address/vrrp-inet6-group/track)**

---

**Usage**

```

<configuration>
  <interfaces>
    <interface>
      <unit>
        <family>
          <inet6>
            <address>
              <vrrp-inet6-group>
                <track>
                  <route>
                    <route_address>route_address
                    </route_address>    <!-- identifier -->
                    <routing-instance>routing-instance
                    </routing-instance>  <!-- identifier -->
                    <priority-cost>priority-cost</priority-cost>
                  </route>
                </track>
              </vrrp-inet6-group>
            </address>
          </inet6>
        </family>
      </unit>
    </interface>
  </interfaces>
</configuration>

```

**Description** Route to track in VRRP group.

**Contents**

- <priority-cost>—Value to subtract from priority when route is down.
- <route\_address>—Route address.
- <routing-instance>—Routing instance to which route belongs, or 'default'.

## **<route> (configuration/logical-systems/interfaces/interface/unit/family/inet/address/vrrp-group/track)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <interfaces>
      <interface>
        <unit>
          <family>
            <inet>
              <address>
                <vrrp-group>
                  <track>
                    <route>
                      <route_address>route_address
                      </route_address>    <!-- identifier -->
                      <routing-instance>routing-instance
                      </routing-instance>  <!-- identifier -->
                      <priority-cost>priority-cost</priority-cost>
                    </route>
                  </track>
                </vrrp-group>
              </address>
            </inet>
          </family>
        </unit>
      </interface>
    </interfaces>
  </logical-systems>
</configuration>

```

**Description** Route to track in VRRP group.

**Contents**

- <priority-cost>—Value to subtract from priority when route is down.
- <route\_address>—Route address.
- <routing-instance>—Routing instance to which route belongs, or 'default'.

## **<route> (configuration/logical-systems/interfaces/interface/unit/family/inet6/address/vrrp-inet6-group/track)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <interfaces>
      <interface>
        <unit>
          <family>
            <inet6>
              <address>
                <vrrp-inet6-group>
                  <track>
                    <route>
                      <route_address>route_address
                      </route_address>    <!-- identifier -->
                      <routing-instance>routing-instance
                      </routing-instance>  <!-- identifier -->
                      <priority-cost>priority-cost</priority-cost>
                    </route>
                  </track>
                </vrrp-inet6-group>
              </address>
            </inet6>
          </family>
        </unit>
      </interface>
    </interfaces>
  </logical-systems>
</configuration>

```

**Description** Route to track in VRRP group.

**Contents** <priority-cost>—Value to subtract from priority when route is down.

<route\_address>—Route address.

<routing-instance>—Routing instance to which route belongs, or 'default'.



## **<route> (configuration/logical-systems/routing-instances/instance/routing-options/aggregate)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <routing-options>  
                     <aggregate>  
                         **<route>**  
                             <name>*name*</name>   <!-- identifier -->  
                             <policy>...</policy>  
                             <metric>...</metric>  
                             <metric2>...</metric2>  
                             <metric3>...</metric3>  
                             <metric4>...</metric4>  
                             <tag>...</tag>  
                             <tag2>...</tag2>  
                             <preference>...</preference>  
                             <preference2>...</preference2>  
                             <color>...</color>  
                             <color2>...</color2>  
                             <community>...</community>  
                             <as-path>...</as-path>  
                             <discard/>  
                             <brief/>  
                             <full/>  
                             <active/>  
                             <passive/>  
                             **</route>**  
                         </aggregate>  
                 </routing-options>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** Individual route options.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<brief>—Include longest common sequences from contributing paths.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<discard>—Drop packets to destination; send no ICMP unreachable.

<full>—Include all AS numbers from all contributing paths.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<name>—Destination prefix.

<passive>—Retain inactive route in forwarding table.

<policy>—Policy filter.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <routing-options>
          <flow>
            <route>
              <name>name</name>    <!-- identifier -->
              <match>...</match>  <!-- mandatory -->
              <then>...</then>
            </route>
          </flow>
        </routing-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Flow route.

**Contents**

<match>—Flow definition.

<name>—No documentation is available yet.

<then>—Actions to take for this flow.

## **<route> (configuration/logical-systems/routing-instances/instance/routing-options/generate)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <routing-options>  
                     <generate>  
                         **<route>**  
                             <name>*name*</name>   <!-- identifier -->  
                             <policy>...</policy>  
                             <metric>...</metric>  
                             <metric2>...</metric2>  
                             <metric3>...</metric3>  
                             <metric4>...</metric4>  
                             <tag>...</tag>  
                             <tag2>...</tag2>  
                             <preference>...</preference>  
                             <preference2>...</preference2>  
                             <color>...</color>  
                             <color2>...</color2>  
                             <community>...</community>  
                             <as-path>...</as-path>  
                             <discard/>  
                             <brief/>  
                             <full/>  
                             <active/>  
                             <passive/>  
                             **</route>**  
                         </generate>  
                 </routing-options>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** Individual route options.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<brief>—Include longest common sequences from contributing paths.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<discard>—Drop packets to destination; send no ICMP unreachable.

<full>—Include all AS numbers from all contributing paths.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<name>—Destination prefix.

<passive>—Retain inactive route in forwarding table.

<policy>—Policy filter.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.

## **<route> (configuration/logical-systems/routing-instances/instance/routing-options/rib/aggregate)**

---

**Usage** <configuration>  
 <logical-systems>  
 <routing-instances>  
 <instance>  
 <routing-options>  
 <rib>  
 <aggregate>  
**<route>**  
 <name>*name*</name> <!-- identifier -->  
 <policy>...</policy>  
 <metric>...</metric>  
 <metric2>...</metric2>  
 <metric3>...</metric3>  
 <metric4>...</metric4>  
 <tag>...</tag>  
 <tag2>...</tag2>  
 <preference>...</preference>  
 <preference2>...</preference2>  
 <color>...</color>  
 <color2>...</color2>  
 <community>...</community>  
 <as-path>...</as-path>  
 <discard/>  
 <brief/>  
 <full/>  
 <active/>  
 <passive/>  
**</route>**  
 </aggregate>  
 </rib>  
 </routing-options>  
 </instance>  
 </routing-instances>  
 </logical-systems>  
 </configuration>

**Description** Individual route options.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<brief>—Include longest common sequences from contributing paths.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<discard>—Drop packets to destination; send no ICMP unreachable.

<full>—Include all AS numbers from all contributing paths.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<name>—Destination prefix.

<passive>—Retain inactive route in forwarding table.

<policy>—Policy filter.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.

## **<route> (configuration/logical-systems/routing-instances/instance/routing-options/rib/generate)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <routing-options>  
                     <rib>  
                         <generate>  
                             **<route>**  
                                 <name>*name*</name>   <!-- identifier -->  
                                 <policy>...</policy>  
                                 <metric>...</metric>  
                                 <metric2>...</metric2>  
                                 <metric3>...</metric3>  
                                 <metric4>...</metric4>  
                                 <tag>...</tag>  
                                 <tag2>...</tag2>  
                                 <preference>...</preference>  
                                 <preference2>...</preference2>  
                                 <color>...</color>  
                                 <color2>...</color2>  
                                 <community>...</community>  
                                 <as-path>...</as-path>  
                                 <discard/>  
                                 <brief/>  
                                 <full/>  
                                 <active/>  
                                 <passive/>  
                             **</route>**  
                         </generate>  
             </rib>  
         </routing-options>  
     </instance>  
   </routing-instances>  
</logical-systems>  
</configuration>

**Description** Individual route options.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<brief>—Include longest common sequences from contributing paths.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<discard>—Drop packets to destination; send no ICMP unreachable.

<full>—Include all AS numbers from all contributing paths.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<name>—Destination prefix.

<passive>—Retain inactive route in forwarding table.

<policy>—Policy filter.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.



## <route> (configuration/logical-systems/routing-instances/instance/routing-options/rib/static)

---

**Usage** <configuration>  
 <logical-systems>  
 <routing-instances>  
 <instance>  
 <routing-options>  
 <rib>  
 <static>  
 <route>  
 <name>*name*</name> <!-- identifier -->  
 <next-hop>...</next-hop>  
 <reject/>  
 <discard/>  
 <receive/>  
 <next-table>*next-table*</next-table>  
 <qualified-next-hop>...</qualified-next-hop>  
 <lsp-next-hop>...</lsp-next-hop>  
 <p2mp-lsp-next-hop>...</p2mp-lsp-next-hop>  
 <backup-pe-group>*backup-pe-group*</backup-pe-group>  
 <bfd-liveness-detection>...</bfd-liveness-detection>  
 <retain/>  
 <install/>  
 <readvertise/>  
 <resolve/>  
 <active/>  
 <passive/>  
 <metric>...</metric>  
 <metric2>...</metric2>  
 <metric3>...</metric3>  
 <metric4>...</metric4>  
 <tag>...</tag>  
 <tag2>...</tag2>  
 <preference>...</preference>  
 <preference2>...</preference2>  
 <color>...</color>  
 <color2>...</color2>  
 <community>...</community>  
 <as-path>...</as-path>  
 </route>  
 </static>  
 </rib>  
 </routing-options>  
 </instance>  
 </routing-instances>  
 </logical-systems>  
 </configuration>

**Description** Static route.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<backup-pe-group>—Multicast source redundancy group.

<bfd-liveness-detection>—Bidirectional Forwarding Detection (BFD) options.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<discard>—Drop packets to destination; send no ICMP unreachable.

<install>—Install route into forwarding table.

<lsp-next-hop>—LSP next hop.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<name>—No documentation is available yet.

<next-hop>—Next hop to destination.

<next-table>—Next hop to another table.

<p2mp-lsp-next-hop>—Point-to-multipoint LSP next hop.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<qualified-next-hop>—Next hop with qualifiers.

<readvertise>—Mark route as eligible to be readvertised.

<receive>—Install a receive route for the destination.

<reject>—Drop packets to destination; send ICMP unreachable.

<resolve>—Allow resolution of indirectly connected next hops.

<retain>—Always keep route in forwarding table.

<tag>—Tag string.

<tag2>—Tag string 2.

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

---

**Usage** <configuration>  
 <logical-systems>  
 <routing-instances>  
 <instance>  
 <routing-options>  
 <static>  
   **<route>**  
     <name>*name*</name>   <!-- identifier -->  
     <next-hop>...</next-hop>  
     <reject/>  
     <discard/>  
     <receive/>  
     <next-table>*next-table*</next-table>  
     <qualified-next-hop>...</qualified-next-hop>  
     <lsp-next-hop>...</lsp-next-hop>  
     <p2mp-lsp-next-hop>...</p2mp-lsp-next-hop>  
     <backup-pe-group>*backup-pe-group*</backup-pe-group>  
     <bfd-liveness-detection>...</bfd-liveness-detection>  
     <retain/>  
     <install/>  
     <readvertise/>  
     <resolve/>  
     <active/>  
     <passive/>  
     <metric>...</metric>  
     <metric2>...</metric2>  
     <metric3>...</metric3>  
     <metric4>...</metric4>  
     <tag>...</tag>  
     <tag2>...</tag2>  
     <preference>...</preference>  
     <preference2>...</preference2>  
     <color>...</color>  
     <color2>...</color2>  
     <community>...</community>  
     <as-path>...</as-path>  
   **</route>**  
 </static>  
 </routing-options>  
 </instance>  
 </routing-instances>  
 </logical-systems>  
 </configuration>

**Description** Static route.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<backup-pe-group>—Multicast source redundancy group.

<bfd-liveness-detection>—Bidirectional Forwarding Detection (BFD) options.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<discard>—Drop packets to destination; send no ICMP unreachable.

<install>—Install route into forwarding table.

<lsp-next-hop>—LSP next hop.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<name>—No documentation is available yet.

<next-hop>—Next hop to destination.

<next-table>—Next hop to another table.

<p2mp-lsp-next-hop>—Point-to-multipoint LSP next hop.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<qualified-next-hop>—Next hop with qualifiers.

<readvertise>—Mark route as eligible to be readvertised.

<receive>—Install a receive route for the destination.

<reject>—Drop packets to destination; send ICMP unreachable.

<resolve>—Allow resolution of indirectly connected next hops.

<retain>—Always keep route in forwarding table.

<tag>—Tag string.

<tag2>—Tag string 2.

**<route> (configuration/logical-systems/routing-options/aggregate)**

---

**Usage** <configuration>  
           <logical-systems>  
             <routing-options>  
               <aggregate>  
                 **<route>**  
                   <name>name</name>   <!-- identifier -->  
                   <policy>...</policy>  
                   <metric>...</metric>  
                   <metric2>...</metric2>  
                   <metric3>...</metric3>  
                   <metric4>...</metric4>  
                   <tag>...</tag>  
                   <tag2>...</tag2>  
                   <preference>...</preference>  
                   <preference2>...</preference2>  
                   <color>...</color>  
                   <color2>...</color2>  
                   <community>...</community>  
                   <as-path>...</as-path>  
                   <discard/>  
                   <brief/>  
                   <full/>  
                   <active/>  
                   <passive/>  
                 **</route>**  
               </aggregate>  
             </routing-options>  
           </logical-systems>  
         </configuration>

**Description** Individual route options.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<brief>—Include longest common sequences from contributing paths.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<discard>—Drop packets to destination; send no ICMP unreachables.

<full>—Include all AS numbers from all contributing paths.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<name>—Destination prefix.

<passive>—Retain inactive route in forwarding table.

<policy>—Policy filter.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.

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

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-options>  
             <flow>  
                 **<route>**  
                     <name>name</name>   <!-- identifier -->  
                     <match>...</match>   <!-- mandatory -->  
                     <then>...</then>  
                 **</route>**  
             </flow>  
         </routing-options>  
     </logical-systems>  
 </configuration>

**Description** Flow route.

**Contents** <match>—Flow definition.

<name>—No documentation is available yet.

<then>—Actions to take for this flow.

**<route> (configuration/logical-systems/routing-options/generate)**

---

**Usage** <configuration>  
 <logical-systems>  
 <routing-options>  
 <generate>  
   **<route>**  
     <name>name</name>   <!-- identifier -->  
     <policy>...</policy>  
     <metric>...</metric>  
     <metric2>...</metric2>  
     <metric3>...</metric3>  
     <metric4>...</metric4>  
     <tag>...</tag>  
     <tag2>...</tag2>  
     <preference>...</preference>  
     <preference2>...</preference2>  
     <color>...</color>  
     <color2>...</color2>  
     <community>...</community>  
     <as-path>...</as-path>  
     <discard/>  
     <brief/>  
     <full/>  
     <active/>  
     <passive/>  
   **</route>**  
 </generate>  
</routing-options>  
</logical-systems>  
</configuration>

**Description** Individual route options.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<brief>—Include longest common sequences from contributing paths.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<discard>—Drop packets to destination; send no ICMP unreachable.

<full>—Include all AS numbers from all contributing paths.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<name>—Destination prefix.

<passive>—Retain inactive route in forwarding table.

<policy>—Policy filter.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.



## <route> (configuration/logical-systems/routing-options/rib/aggregate)

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-options>  
             <rib>  
                 <aggregate>  
                     **<route>**  
                         <name>name</name>   <!-- identifier -->  
                         <policy>...</policy>  
                         <metric>...</metric>  
                         <metric2>...</metric2>  
                         <metric3>...</metric3>  
                         <metric4>...</metric4>  
                         <tag>...</tag>  
                         <tag2>...</tag2>  
                         <preference>...</preference>  
                         <preference2>...</preference2>  
                         <color>...</color>  
                         <color2>...</color2>  
                         <community>...</community>  
                         <as-path>...</as-path>  
                         <discard/>  
                         <brief/>  
                         <full/>  
                         <active/>  
                         <passive/>  
                     **</route>**  
                 </aggregate>  
             </rib>  
         </routing-options>  
     </logical-systems>  
</configuration>

**Description** Individual route options.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<brief>—Include longest common sequences from contributing paths.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<discard>—Drop packets to destination; send no ICMP unreachable.

<full>—Include all AS numbers from all contributing paths.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<name>—Destination prefix.

<passive>—Retain inactive route in forwarding table.

<policy>—Policy filter.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.

## <route> (configuration/logical-systems/routing-options/rib/generate)

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-options>  
             <rib>  
                 <generate>  
                     **<route>**  
                         <name>name</name>   <!-- identifier -->  
                         <policy>...</policy>  
                         <metric>...</metric>  
                         <metric2>...</metric2>  
                         <metric3>...</metric3>  
                         <metric4>...</metric4>  
                         <tag>...</tag>  
                         <tag2>...</tag2>  
                         <preference>...</preference>  
                         <preference2>...</preference2>  
                         <color>...</color>  
                         <color2>...</color2>  
                         <community>...</community>  
                         <as-path>...</as-path>  
                         <discard/>  
                         <brief/>  
                         <full/>  
                         <active/>  
                         <passive/>  
                     **</route>**  
                 </generate>  
             </rib>  
         </routing-options>  
     </logical-systems>  
</configuration>

**Description** Individual route options.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<brief>—Include longest common sequences from contributing paths.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<discard>—Drop packets to destination; send no ICMP unreachablees.

<full>—Include all AS numbers from all contributing paths.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<name>—Destination prefix.

<passive>—Retain inactive route in forwarding table.

<policy>—Policy filter.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.

## <route> (configuration/logical-systems/routing-options/rib/static)

---

**Usage** <configuration>  
           <logical-systems>  
             <routing-options>  
               <rib>  
                 <static>  
                   **<route>**  
                     <name>*name*</name>   <!-- identifier -->  
                     <next-hop>...</next-hop>  
                     <reject/>  
                     <discard/>  
                     <receive/>  
                     <next-table>*next-table*</next-table>  
                     <qualified-next-hop>...</qualified-next-hop>  
                     <lsp-next-hop>...</lsp-next-hop>  
                     <p2mp-lsp-next-hop>...</p2mp-lsp-next-hop>  
                     <backup-pe-group>*backup-pe-group*</backup-pe-group>  
                     <bfd-liveness-detection>...</bfd-liveness-detection>  
                     <retain/>  
                     <install/>  
                     <readvertise/>  
                     <resolve/>  
                     <active/>  
                     <passive/>  
                     <metric>...</metric>  
                     <metric2>...</metric2>  
                     <metric3>...</metric3>  
                     <metric4>...</metric4>  
                     <tag>...</tag>  
                     <tag2>...</tag2>  
                     <preference>...</preference>  
                     <preference2>...</preference2>  
                     <color>...</color>  
                     <color2>...</color2>  
                     <community>...</community>  
                     <as-path>...</as-path>  
                   **</route>**  
                 </static>  
               </rib>  
             </routing-options>  
           </logical-systems>  
         </configuration>

**Description** Static route.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<backup-pe-group>—Multicast source redundancy group.

<bfd-liveness-detection>—Bidirectional Forwarding Detection (BFD) options.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<discard>—Drop packets to destination; send no ICMP unreachable.

<install>—Install route into forwarding table.

<lsp-next-hop>—LSP next hop.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<name>—No documentation is available yet.

<next-hop>—Next hop to destination.

<next-table>—Next hop to another table.

<p2mp-lsp-next-hop>—Point-to-multipoint LSP next hop.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<qualified-next-hop>—Next hop with qualifiers.

<readvertise>—Mark route as eligible to be readvertised.

<receive>—Install a receive route for the destination.

<reject>—Drop packets to destination; send ICMP unreachable.

<resolve>—Allow resolution of indirectly connected next hops.

<retain>—Always keep route in forwarding table.

<tag>—Tag string.

<tag2>—Tag string 2.

**<route> (configuration/logical-systems/routing-options/static)**

---

**Usage** <configuration>  
 <logical-systems>  
 <routing-options>  
 <static>  
 <route>  
 <name>*name*</name> <!-- identifier -->  
 <next-hop>...</next-hop>  
 <reject/>  
 <discard/>  
 <receive/>  
 <next-table>*next-table*</next-table>  
 <qualified-next-hop>...</qualified-next-hop>  
 <lsp-next-hop>...</lsp-next-hop>  
 <p2mp-lsp-next-hop>...</p2mp-lsp-next-hop>  
 <backup-pe-group>*backup-pe-group*</backup-pe-group>  
 <bfd-liveness-detection>...</bfd-liveness-detection>  
 <retain/>  
 <install/>  
 <readvertise/>  
 <resolve/>  
 <active/>  
 <passive/>  
 <metric>...</metric>  
 <metric2>...</metric2>  
 <metric3>...</metric3>  
 <metric4>...</metric4>  
 <tag>...</tag>  
 <tag2>...</tag2>  
 <preference>...</preference>  
 <preference2>...</preference2>  
 <color>...</color>  
 <color2>...</color2>  
 <community>...</community>  
 <as-path>...</as-path>  
 </route>  
 </static>  
 </routing-options>  
 </logical-systems>  
 </configuration>

**Description** Static route.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<backup-pe-group>—Multicast source redundancy group.

<bfd-liveness-detection>—Bidirectional Forwarding Detection (BFD) options.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<discard>—Drop packets to destination; send no ICMP unreachable.

<install>—Install route into forwarding table.

<lsp-next-hop>—LSP next hop.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<name>—No documentation is available yet.

<next-hop>—Next hop to destination.

<next-table>—Next hop to another table.

<p2mp-lsp-next-hop>—Point-to-multipoint LSP next hop.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<qualified-next-hop>—Next hop with qualifiers.

<readvertise>—Mark route as eligible to be readvertised.

<receive>—Install a receive route for the destination.

<reject>—Drop packets to destination; send ICMP unreachable.

<resolve>—Allow resolution of indirectly connected next hops.

<retain>—Always keep route in forwarding table.

<tag>—Tag string.

<tag2>—Tag string 2.



## **<route> (configuration/routing-instances/instance/routing-options/aggregate)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <routing-options>  
                 <aggregate>  
                     **<route>**  
                         <name>name</name>   <!-- identifier -->  
                         <policy>...</policy>  
                         <metric>...</metric>  
                         <metric2>...</metric2>  
                         <metric3>...</metric3>  
                         <metric4>...</metric4>  
                         <tag>...</tag>  
                         <tag2>...</tag2>  
                         <preference>...</preference>  
                         <preference2>...</preference2>  
                         <color>...</color>  
                         <color2>...</color2>  
                         <community>...</community>  
                         <as-path>...</as-path>  
                         <discard/>  
                         <brief/>  
                         <full/>  
                         <active/>  
                         <passive/>  
                     **</route>**  
                 </aggregate>  
             </routing-options>  
         </instance>  
     </routing-instances>  
</configuration>

**Description** Individual route options.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<brief>—Include longest common sequences from contributing paths.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<discard>—Drop packets to destination; send no ICMP unreachablees.

<full>—Include all AS numbers from all contributing paths.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<name>—Destination prefix.

<passive>—Retain inactive route in forwarding table.

<policy>—Policy filter.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.

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

---

**Usage**

```
<configuration>
  <routing-instances>
    <instance>
      <routing-options>
        <flow>
          <route>
            <name>name</name>    <!-- identifier -->
            <match>...</match>  <!-- mandatory -->
            <then>...</then>
          </route>
        </flow>
      </routing-options>
    </instance>
  </routing-instances>
</configuration>
```

**Description** Flow route.

**Contents** <match>—Flow definition.

<name>—No documentation is available yet.

<then>—Actions to take for this flow.

## **<route> (configuration/routing-instances/instance/routing-options/generate)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <routing-options>  
                 <generate>  
                     **<route>**  
                         <name>name</name>   <!-- identifier -->  
                         <policy>...</policy>  
                         <metric>...</metric>  
                         <metric2>...</metric2>  
                         <metric3>...</metric3>  
                         <metric4>...</metric4>  
                         <tag>...</tag>  
                         <tag2>...</tag2>  
                         <preference>...</preference>  
                         <preference2>...</preference2>  
                         <color>...</color>  
                         <color2>...</color2>  
                         <community>...</community>  
                         <as-path>...</as-path>  
                         <discard/>  
                         <brief/>  
                         <full/>  
                         <active/>  
                         <passive/>  
                     **</route>**  
                 </generate>  
             </routing-options>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Individual route options.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<brief>—Include longest common sequences from contributing paths.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<discard>—Drop packets to destination; send no ICMP unreachable.

<full>—Include all AS numbers from all contributing paths.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<name>—Destination prefix.

<passive>—Retain inactive route in forwarding table.

<policy>—Policy filter.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.

## **<route> (configuration/routing-instances/instance/routing-options/rib/aggregate)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <routing-options>  
                 <rib>  
                     <aggregate>  
                         **<route>**  
                             <name>*name*</name>   <!-- identifier -->  
                             <policy>...</policy>  
                             <metric>...</metric>  
                             <metric2>...</metric2>  
                             <metric3>...</metric3>  
                             <metric4>...</metric4>  
                             <tag>...</tag>  
                             <tag2>...</tag2>  
                             <preference>...</preference>  
                             <preference2>...</preference2>  
                             <color>...</color>  
                             <color2>...</color2>  
                             <community>...</community>  
                             <as-path>...</as-path>  
                             <discard/>  
                             <brief/>  
                             <full/>  
                             <active/>  
                             <passive/>  
                             **</route>**  
                         </aggregate>  
                 </rib>  
             </routing-options>  
         </instance>  
     </routing-instances>  
</configuration>

**Description** Individual route options.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<brief>—Include longest common sequences from contributing paths.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<discard>—Drop packets to destination; send no ICMP unreachable.

<full>—Include all AS numbers from all contributing paths.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<name>—Destination prefix.

<passive>—Retain inactive route in forwarding table.

<policy>—Policy filter.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.

## **<route> (configuration/routing-instances/instance/routing-options/rib/generate)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <routing-options>  
                 <rib>  
                     <generate>  
                         **<route>**  
                             <name>*name*</name>   <!-- identifier -->  
                             <policy>...</policy>  
                             <metric>...</metric>  
                             <metric2>...</metric2>  
                             <metric3>...</metric3>  
                             <metric4>...</metric4>  
                             <tag>...</tag>  
                             <tag2>...</tag2>  
                             <preference>...</preference>  
                             <preference2>...</preference2>  
                             <color>...</color>  
                             <color2>...</color2>  
                             <community>...</community>  
                             <as-path>...</as-path>  
                             <discard/>  
                             <brief/>  
                             <full/>  
                             <active/>  
                             <passive/>  
                             **</route>**  
                         </generate>  
                 </rib>  
             </routing-options>  
         </instance>  
     </routing-instances>  
</configuration>

**Description** Individual route options.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<brief>—Include longest common sequences from contributing paths.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<discard>—Drop packets to destination; send no ICMP unreachable.

<full>—Include all AS numbers from all contributing paths.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<name>—Destination prefix.

<passive>—Retain inactive route in forwarding table.

<policy>—Policy filter.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.



## <route> (configuration/routing-instances/instance/routing-options/rib/static)

---

**Usage** <configuration>  
 <routing-instances>  
 <instance>  
 <routing-options>  
 <rib>  
 <static>  
 <route>  
 <name>name</name>   <!-- identifier -->  
 <next-hop>...</next-hop>  
 <reject/>  
 <discard/>  
 <receive/>  
 <next-table>next-table</next-table>  
 <qualified-next-hop>...</qualified-next-hop>  
 <lsp-next-hop>...</lsp-next-hop>  
 <p2mp-lsp-next-hop>...</p2mp-lsp-next-hop>  
 <backup-pe-group>backup-pe-group</backup-pe-group>  
 <bfd-liveness-detection>...</bfd-liveness-detection>  
 <retain/>  
 <install/>  
 <readvertise/>  
 <resolve/>  
 <active/>  
 <passive/>  
 <metric>...</metric>  
 <metric2>...</metric2>  
 <metric3>...</metric3>  
 <metric4>...</metric4>  
 <tag>...</tag>  
 <tag2>...</tag2>  
 <preference>...</preference>  
 <preference2>...</preference2>  
 <color>...</color>  
 <color2>...</color2>  
 <community>...</community>  
 <as-path>...</as-path>  
 </route>  
 </static>  
 </rib>  
 </routing-options>  
 </instance>  
 </routing-instances>  
 </configuration>

**Description** Static route.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<backup-pe-group>—Multicast source redundancy group.

<bfd-liveness-detection>—Bidirectional Forwarding Detection (BFD) options.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<discard>—Drop packets to destination; send no ICMP unreachable.

<install>—Install route into forwarding table.

<lsp-next-hop>—LSP next hop.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<name>—No documentation is available yet.

<next-hop>—Next hop to destination.

<next-table>—Next hop to another table.

<p2mp-lsp-next-hop>—Point-to-multipoint LSP next hop.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<qualified-next-hop>—Next hop with qualifiers.

<readvertise>—Mark route as eligible to be readvertised.

<receive>—Install a receive route for the destination.

<reject>—Drop packets to destination; send ICMP unreachable.

<resolve>—Allow resolution of indirectly connected next hops.

<retain>—Always keep route in forwarding table.

<tag>—Tag string.

<tag2>—Tag string 2.

## **<route> (configuration/routing-instances/instance/routing-options/static)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <routing-options>  
           <static>  
             **<route>**  
               <name>*name*</name>    <!-- identifier -->  
               <next-hop>...</next-hop>  
               <reject/>  
               <discard/>  
               <receive/>  
               <next-table>*next-table*</next-table>  
               <qualified-next-hop>...</qualified-next-hop>  
               <lsp-next-hop>...</lsp-next-hop>  
               <p2mp-lsp-next-hop>...</p2mp-lsp-next-hop>  
               <backup-pe-group>*backup-pe-group*</backup-pe-group>  
               <bfd-liveness-detection>...</bfd-liveness-detection>  
               <retain/>  
               <install/>  
               <readvertise/>  
               <resolve/>  
               <active/>  
               <passive/>  
               <metric>...</metric>  
               <metric2>...</metric2>  
               <metric3>...</metric3>  
               <metric4>...</metric4>  
               <tag>...</tag>  
               <tag2>...</tag2>  
               <preference>...</preference>  
               <preference2>...</preference2>  
               <color>...</color>  
               <color2>...</color2>  
               <community>...</community>  
               <as-path>...</as-path>  
             **</route>**  
           </static>  
         </routing-options>  
       </instance>  
     </routing-instances>  
 </configuration>

**Description**   Static route.

**Contents**   <active>—Remove inactive route from forwarding table.

              <as-path>—Autonomous system path.

              <backup-pe-group>—Multicast source redundancy group.

              <bfd-liveness-detection>—Bidirectional Forwarding Detection (BFD) options.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<discard>—Drop packets to destination; send no ICMP unreachable.

<install>—Install route into forwarding table.

<lsp-next-hop>—LSP next hop.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<name>—No documentation is available yet.

<next-hop>—Next hop to destination.

<next-table>—Next hop to another table.

<p2mp-lsp-next-hop>—Point-to-multipoint LSP next hop.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<qualified-next-hop>—Next hop with qualifiers.

<readvertise>—Mark route as eligible to be readvertised.

<receive>—Install a receive route for the destination.

<reject>—Drop packets to destination; send ICMP unreachable.

<resolve>—Allow resolution of indirectly connected next hops.

<retain>—Always keep route in forwarding table.

<tag>—Tag string.

<tag2>—Tag string 2.

**<route> (configuration/routing-options/aggregate)**

---

**Usage** <configuration>  
           <routing-options>  
             <aggregate>  
               <route>  
                 <name>*name*</name>   <!-- identifier -->  
                 <policy>...</policy>  
                 <metric>...</metric>  
                 <metric2>...</metric2>  
                 <metric3>...</metric3>  
                 <metric4>...</metric4>  
                 <tag>...</tag>  
                 <tag2>...</tag2>  
                 <preference>...</preference>  
                 <preference2>...</preference2>  
                 <color>...</color>  
                 <color2>...</color2>  
                 <community>...</community>  
                 <as-path>...</as-path>  
                 <discard/>  
                 <brief/>  
                 <full/>  
                 <active/>  
                 <passive/>  
               </route>  
             </aggregate>  
           </routing-options>  
         </configuration>

**Description** Individual route options.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<brief>—Include longest common sequences from contributing paths.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<discard>—Drop packets to destination; send no ICMP unreachable.

<full>—Include all AS numbers from all contributing paths.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<name>—Destination prefix.

<passive>—Retain inactive route in forwarding table.

<policy>—Policy filter.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.

## <route> (configuration/routing-options/flow)

---

**Usage**   <configuration>  
          <routing-options>  
          <flow>  
            **<route>**  
              <name>*name*</name>   <!-- identifier -->  
              <match>...</match>   <!-- mandatory -->  
              <then>...</then>  
            **</route>**  
          </flow>  
          </routing-options>  
          </configuration>

**Description**   Flow route.

**Contents**   <match>—Flow definition.

              <name>—No documentation is available yet.

              <then>—Actions to take for this flow.

**<route> (configuration/routing-options/generate)**

---

**Usage** <configuration>  
           <routing-options>  
           <generate>  
           **<route>**  
             <name>*name*</name>   <!-- identifier -->  
             <policy>...</policy>  
             <metric>...</metric>  
             <metric2>...</metric2>  
             <metric3>...</metric3>  
             <metric4>...</metric4>  
             <tag>...</tag>  
             <tag2>...</tag2>  
             <preference>...</preference>  
             <preference2>...</preference2>  
             <color>...</color>  
             <color2>...</color2>  
             <community>...</community>  
             <as-path>...</as-path>  
             <discard/>  
             <brief/>  
             <full/>  
             <active/>  
             <passive/>  
           **</route>**  
         </generate>  
       </routing-options>  
     </configuration>

**Description** Individual route options.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<brief>—Include longest common sequences from contributing paths.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<discard>—Drop packets to destination; send no ICMP unreachablees.

<full>—Include all AS numbers from all contributing paths.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<name>—Destination prefix.

<passive>—Retain inactive route in forwarding table.

<policy>—Policy filter.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.



**<route> (configuration/routing-options/rib/aggregate)**

---

**Usage** <configuration>  
           <routing-options>  
             <rib>  
               <aggregate>  
                 **<route>**  
                   <name>name</name>   <!-- identifier -->  
                   <policy>...</policy>  
                   <metric>...</metric>  
                   <metric2>...</metric2>  
                   <metric3>...</metric3>  
                   <metric4>...</metric4>  
                   <tag>...</tag>  
                   <tag2>...</tag2>  
                   <preference>...</preference>  
                   <preference2>...</preference2>  
                   <color>...</color>  
                   <color2>...</color2>  
                   <community>...</community>  
                   <as-path>...</as-path>  
                   <discard/>  
                   <brief/>  
                   <full/>  
                   <active/>  
                   <passive/>  
                 **</route>**  
               </aggregate>  
             </rib>  
           </routing-options>  
         </configuration>

**Description** Individual route options.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<brief>—Include longest common sequences from contributing paths.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<discard>—Drop packets to destination; send no ICMP unreachables.

<full>—Include all AS numbers from all contributing paths.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<name>—Destination prefix.

<passive>—Retain inactive route in forwarding table.

<policy>—Policy filter.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.

**<route> (configuration/routing-options/rib/generate)**

---

**Usage** <configuration>  
           <routing-options>  
           <rib>  
           <generate>  
             **<route>**  
               <name>name</name>   <!-- identifier -->  
               <policy>...</policy>  
               <metric>...</metric>  
               <metric2>...</metric2>  
               <metric3>...</metric3>  
               <metric4>...</metric4>  
               <tag>...</tag>  
               <tag2>...</tag2>  
               <preference>...</preference>  
               <preference2>...</preference2>  
               <color>...</color>  
               <color2>...</color2>  
               <community>...</community>  
               <as-path>...</as-path>  
               <discard/>  
               <brief/>  
               <full/>  
               <active/>  
               <passive/>  
             **</route>**  
           </generate>  
         </rib>  
       </routing-options>  
     </configuration>

**Description** Individual route options.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<brief>—Include longest common sequences from contributing paths.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<discard>—Drop packets to destination; send no ICMP unreachable.

<full>—Include all AS numbers from all contributing paths.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<name>—Destination prefix.

<passive>—Retain inactive route in forwarding table.

<policy>—Policy filter.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.

**<route> (configuration/routing-options/rib/static)**

---

**Usage** <configuration>  
           <routing-options>  
             <rib>  
               <static>  
                 **<route>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <next-hop>...</next-hop>  
                   <reject/>  
                   <discard/>  
                   <receive/>  
                   <next-table>*next-table*</next-table>  
                   <qualified-next-hop>...</qualified-next-hop>  
                   <lsp-next-hop>...</lsp-next-hop>  
                   <p2mp-lsp-next-hop>...</p2mp-lsp-next-hop>  
                   <backup-pe-group>*backup-pe-group*</backup-pe-group>  
                   <bfd-liveness-detection>...</bfd-liveness-detection>  
                   <retain/>  
                   <install/>  
                   <readvertise/>  
                   <resolve/>  
                   <active/>  
                   <passive/>  
                   <metric>...</metric>  
                   <metric2>...</metric2>  
                   <metric3>...</metric3>  
                   <metric4>...</metric4>  
                   <tag>...</tag>  
                   <tag2>...</tag2>  
                   <preference>...</preference>  
                   <preference2>...</preference2>  
                   <color>...</color>  
                   <color2>...</color2>  
                   <community>...</community>  
                   <as-path>...</as-path>  
                 **</route>**  
               </static>  
             </rib>  
           </routing-options>  
         </configuration>

**Description** Static route.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<backup-pe-group>—Multicast source redundancy group.

<bfd-liveness-detection>—Bidirectional Forwarding Detection (BFD) options.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<discard>—Drop packets to destination; send no ICMP unreachable.

<install>—Install route into forwarding table.

<lsp-next-hop>—LSP next hop.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<name>—No documentation is available yet.

<next-hop>—Next hop to destination.

<next-table>—Next hop to another table.

<p2mp-lsp-next-hop>—Point-to-multipoint LSP next hop.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<qualified-next-hop>—Next hop with qualifiers.

<readvertise>—Mark route as eligible to be readvertised.

<receive>—Install a receive route for the destination.

<reject>—Drop packets to destination; send ICMP unreachable.

<resolve>—Allow resolution of indirectly connected next hops.

<retain>—Always keep route in forwarding table.

<tag>—Tag string.

<tag2>—Tag string 2.

**<route> (configuration/routing-options/static)**

**Usage** <configuration>  
 <routing-options>  
 <static>  
 <route>  
 <name>*name*</name> <!-- identifier -->  
 <next-hop>...</next-hop>  
 <reject/>  
 <discard/>  
 <receive/>  
 <next-table>*next-table*</next-table>  
 <qualified-next-hop>...</qualified-next-hop>  
 <lsp-next-hop>...</lsp-next-hop>  
 <p2mp-lsp-next-hop>...</p2mp-lsp-next-hop>  
 <backup-pe-group>*backup-pe-group*</backup-pe-group>  
 <bfd-liveness-detection>...</bfd-liveness-detection>  
 <retain/>  
 <install/>  
 <readvertise/>  
 <resolve/>  
 <active/>  
 <passive/>  
 <metric>...</metric>  
 <metric2>...</metric2>  
 <metric3>...</metric3>  
 <metric4>...</metric4>  
 <tag>...</tag>  
 <tag2>...</tag2>  
 <preference>...</preference>  
 <preference2>...</preference2>  
 <color>...</color>  
 <color2>...</color2>  
 <community>...</community>  
 <as-path>...</as-path>  
 </route>  
 </static>  
 </routing-options>  
 </configuration>

**Description** Static route.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<backup-pe-group>—Multicast source redundancy group.

<bfd-liveness-detection>—Bidirectional Forwarding Detection (BFD) options.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<discard>—Drop packets to destination; send no ICMP unreachables.

<install>—Install route into forwarding table.

<lsp-next-hop>—LSP next hop.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<name>—No documentation is available yet.

<next-hop>—Next hop to destination.

<next-table>—Next hop to another table.

<p2mp-lsp-next-hop>—Point-to-multipoint LSP next hop.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<qualified-next-hop>—Next hop with qualifiers.

<readvertise>—Mark route as eligible to be readvertised.

<receive>—Install a receive route for the destination.

<reject>—Drop packets to destination; send ICMP unreachables.

<resolve>—Allow resolution of indirectly connected next hops.

<retain>—Always keep route in forwarding table.

<tag>—Tag string.

<tag2>—Tag string 2.



## **<route> (configuration/services/border-signaling-gateway/gateway/sip/new-transaction-policy/term/then)**

---

**Usage** <configuration>  
     <services>  
         <border-signaling-gateway>  
             <gateway>  
                 <sip>  
                     <new-transaction-policy>  
                         <term>  
                             <then>  
                                 **<route>**  
                                     <next-hop>...</next-hop>  
                                     <egress-service-point>egress-service-point</egress-service-point>  
                                 **</route>**  
                             </then>  
                         </term>  
                     </new-transaction-policy>  
                 </sip>  
             </gateway>  
         </border-signaling-gateway>  
     </services>  
</configuration>

**Description** How to route the request.

**Contents** <egress-service-point>—Exit point.

<next-hop>—No documentation is available yet.

## **<route-distinguisher> (configuration/logical-systems/routing-instances/instance)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 **<route-distinguisher>**  
                     <rd-type>rd-type</rd-type>  
                 **</route-distinguisher>**  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** Route distinguisher for this instance.

**Contents** <rd-type>—Number in (16 bit:32 bit) or (32 bit 'L':16 bit) or (IP address:16 bit) format.

**<route-distinguisher> (configuration/routing-instances/instance)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
            **<route-distinguisher>**  
            <rd-type>*rd-type*</rd-type>  
            **</route-distinguisher>**  
          </instance>  
        </routing-instances>  
      </configuration>

**Description**   Route distinguisher for this instance.

**Contents**   <rd-type>—Number in (16 bit:32 bit) or (32 bit 'L':16 bit) or (IP address:16 bit) format.

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

---

```

Usage  <configuration>
      <logical-systems>
      <policy-options>
      <policy-statement>
      <from>
        <route-filter>
          <address>address</address>    <!-- identifier -->
          <exact/>    <!-- identifier -->
          <longer/>    <!-- identifier -->
          <orlonger/>    <!-- identifier -->
          <upto>upto</upto>    <!-- identifier -->
          <through>through</through>    <!-- identifier -->
          <prefix-length-range>prefix-length-range
            </prefix-length-range>    <!-- 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/>
        </route-filter>
      </from>
    </policy-statement>
  </policy-options>
</logical-systems>
</configuration>

```

**Description** List of routes to match.

**Contents** <accept>—Accept a route.

<address>—IP address or hostname.

<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.

<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.

**<prefix-length-range>**—Mask falls between two prefix lengths.

**<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.

**<through>**—Route falls between two prefixes.

**<trace>**—Log matches to a trace file.

**<upto>**—Mask falls between two prefix lengths.

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

---

```

Usage <configuration>
      <logical-systems>
      <policy-options>
      <policy-statement>
      <term>
      <from>
        <route-filter>
          <address>address</address>    <!-- identifier -->
          <exact/>    <!-- identifier -->
          <longer/>    <!-- identifier -->
          <orlonger/>    <!-- identifier -->
          <upto>upto</upto>    <!-- identifier -->
          <through>through</through>    <!-- identifier -->
          <prefix-length-range>prefix-length-range
            </prefix-length-range>    <!-- 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/>
        </route-filter>
      </from>
    </term>
  </policy-statement>
</policy-options>

```

```

    </logical-systems>
</configuration>

```

**Description** List of routes to match.

**Contents** <accept>—Accept a route.

<address>—IP address or hostname.

<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.

<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.
- `<prefix-length-range>`—Mask falls between two prefix lengths.
- `<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.
- `<through>`—Route falls between two prefixes.
- `<trace>`—Log matches to a trace file.
- `<upto>`—Mask falls between two prefix lengths.



## **<route-filter> (configuration/policy-options/policy-statement/from)**

---

**Usage**   <configuration>  
           <policy-options>  
           <policy-statement>  
           <from>  
             **<route-filter>**  
               <address>address</address>   <!-- identifier -->  
               <exact/>   <!-- identifier -->  
               <longer/>   <!-- identifier -->  
               <orlonger/>   <!-- identifier -->  
               <upto>upto</upto>   <!-- identifier -->  
               <through>through</through>   <!-- identifier -->  
               <prefix-length-range>prefix-length-range  
                   </prefix-length-range>   <!-- 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/>  
             **</route-filter>**  
           </from>  
         </policy-statement>  
       </policy-options>  
   </configuration>

**Description**   List of routes to match.

- Contents**
- `<accept>`—Accept a route.
  - `<address>`—IP address or hostname.
  - `<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.
  - `<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.

<prefix-length-range>—Mask falls between two prefix lengths.

<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.

<through>—Route falls between two prefixes.

<trace>—Log matches to a trace file.

<upto>—Mask falls between two prefix lengths.

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

---

```

Usage  <configuration>
      <policy-options>
      <policy-statement>
      <term>
      <from>
        <route-filter>
          <address>address</address>    <!-- identifier -->
          <exact/>    <!-- identifier -->
          <longer/>    <!-- identifier -->
          <orlonger/>    <!-- identifier -->
          <upto>upto</upto>    <!-- identifier -->
          <through>through</through>    <!-- identifier -->
          <prefix-length-range>prefix-length-range
            </prefix-length-range>    <!-- 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/>
        </route-filter>
      </from>
    </term>
  </policy-statement>
</policy-options>
</configuration>

```

**Description** List of routes to match.

**Contents** <accept>—Accept a route.

<address>—IP address or hostname.

<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.

<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.

**<prefix-length-range>**—Mask falls between two prefix lengths.

**<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.

**<through>**—Route falls between two prefixes.

**<trace>**—Log matches to a trace file.

**<upto>**—Mask falls between two prefix lengths.

## **<route-target> (configuration/logical-systems/protocols/bgp/family)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <protocols>  
               <bgp>  
               <family>  
               **<route-target>**  
                   <prefix-limit>...</prefix-limit>  
                   <accepted-prefix-limit>...</accepted-prefix-limit>  
                   <external-paths>*external-paths*</external-paths>  
                   <advertise-default/>  
               **</route-target>**  
               </family>  
               </bgp>  
               </protocols>  
               </logical-systems>  
               </configuration>

**Description**   Route target NLRI used for VPN route filtering.

**Contents**   <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.  
               <advertise-default>—Advertise default and suppress more specific routes.  
               <external-paths>—Number of external paths accepted for route filtering.  
               <prefix-limit>—Limit maximum number of prefixes from a peer.

## **<route-target> (configuration/logical-systems/protocols/bgp/group/family)**

---

**Usage**   <configuration>  
               <logical-systems>  
                   <protocols>  
                       <bgp>  
                         <group>  
                           <family>  
                               **<route-target>**  
                                 <prefix-limit>...</prefix-limit>  
                                 <accepted-prefix-limit>...</accepted-prefix-limit>  
                                 <external-paths>*external-paths*</external-paths>  
                                 <advertise-default/>  
                               **</route-target>**  
                           </family>  
                         </group>  
                       </bgp>  
                   </protocols>  
               </logical-systems>  
           </configuration>

**Description**   Route target NLRI used for VPN route filtering.

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

              <advertise-default>—Advertise default and suppress more specific routes.

              <external-paths>—Number of external paths accepted for route filtering.

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



## **<route-target> (configuration/logical-systems/protocols/bgp/group/neighbor/family)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <protocols>  
               <bgp>  
               <group>  
               <neighbor>  
               <family>  
               **<route-target>**  
                   <prefix-limit>...</prefix-limit>  
                   <accepted-prefix-limit>...</accepted-prefix-limit>  
                   <external-paths>*external-paths*</external-paths>  
                   <advertise-default/>  
               **</route-target>**  
               </family>  
               </neighbor>  
               </group>  
               </bgp>  
               </protocols>  
               </logical-systems>  
               </configuration>

**Description**   Route target NLRI used for VPN route filtering.

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

              <advertise-default>—Advertise default and suppress more specific routes.

              <external-paths>—Number of external paths accepted for route filtering.

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

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <family>
              <route-target>
                <prefix-limit>...</prefix-limit>
                <accepted-prefix-limit>...</accepted-prefix-limit>
                <external-paths>external-paths</external-paths>
                <advertise-default/>
              </route-target>
            </family>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Route target NLRI used for VPN route filtering.

**Contents**

- <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.
- <advertise-default>—Advertise default and suppress more specific routes.
- <external-paths>—Number of external paths accepted for route filtering.
- <prefix-limit>—Limit maximum number of prefixes from a peer.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <family>
                <route-target>
                  <prefix-limit>...</prefix-limit>
                  <accepted-prefix-limit>...</accepted-prefix-limit>
                  <external-paths>external-paths</external-paths>
                  <advertise-default/>
                </route-target>
              </family>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Route target NLRI used for VPN route filtering.

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

<advertise-default>—Advertise default and suppress more specific routes.

<external-paths>—Number of external paths accepted for route filtering.

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

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <bgp>
            <group>
              <neighbor>
                <family>
                  <route-target>
                    <prefix-limit>...</prefix-limit>
                    <accepted-prefix-limit>...</accepted-prefix-limit>
                    <external-paths>external-paths</external-paths>
                    <advertise-default/>
                  </route-target>
                </family>
              </neighbor>
            </group>
          </bgp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Route target NLRI used for VPN route filtering.

**Contents**

- <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.
- <advertise-default>—Advertise default and suppress more specific routes.
- <external-paths>—Number of external paths accepted for route filtering.
- <prefix-limit>—Limit maximum number of prefixes from a peer.

## **<route-target> (configuration/logical-systems/routing-instances/instance/protocols/mvpn)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <protocols>  
                     <mvpn>  
                         **<route-target>**  
                             <import-target>...</import-target>  
                             <export-target>...</export-target>  
                         **</route-target>**  
                     </mvpn>  
                 </protocols>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
 </configuration>

**Description** Configure route-targets for MVPN routes.

**Contents** <export-target>—Target communities used when exporting routes.  
             <import-target>—Target communities used when importing routes.

## **<route-target> (configuration/protocols/bgp/family)**

---

**Usage** <configuration>  
     <protocols>  
         <bgp>  
             <family>  
                 **<route-target>**  
                     <prefix-limit>...</prefix-limit>  
                     <accepted-prefix-limit>...</accepted-prefix-limit>  
                     <external-paths>external-paths</external-paths>  
                     <advertise-default/>  
                 **</route-target>**  
             </family>  
         </bgp>  
     </protocols>  
 </configuration>

**Description** Route target NLRI used for VPN route filtering.

**Contents** <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.  
             <advertise-default>—Advertise default and suppress more specific routes.  
             <external-paths>—Number of external paths accepted for route filtering.  
             <prefix-limit>—Limit maximum number of prefixes from a peer.

**<route-target> (configuration/protocols/bgp/group/family)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <group>  
                 <family>  
                   **<route-target>**  
                     <prefix-limit>...</prefix-limit>  
                     <accepted-prefix-limit>...</accepted-prefix-limit>  
                     <external-paths>*external-paths*</external-paths>  
                     <advertise-default/>  
                   **</route-target>**  
                 </family>  
               </group>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Route target NLRI used for VPN route filtering.

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

<advertise-default>—Advertise default and suppress more specific routes.

<external-paths>—Number of external paths accepted for route filtering.

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

## **<route-target> (configuration/protocols/bgp/group/neighbor/family)**

---

**Usage**   <configuration>  
               <protocols>  
                   <bgp>  
                       <group>  
                           <neighbor>  
                               <family>  
                                   **<route-target>**  
                                       <prefix-limit>...</prefix-limit>  
                                       <accepted-prefix-limit>...</accepted-prefix-limit>  
                                       <external-paths>*external-paths*</external-paths>  
                                       <advertise-default/>  
                                   **</route-target>**  
                               </family>  
                           </neighbor>  
                       </group>  
                   </bgp>  
               </protocols>  
           </configuration>

**Description**   Route target NLRI used for VPN route filtering.

**Contents**   <accepted-prefix-limit>—Limit maximum number of prefixes accepted from a peer.  
               <advertise-default>—Advertise default and suppress more specific routes.  
               <external-paths>—Number of external paths accepted for route filtering.  
               <prefix-limit>—Limit maximum number of prefixes from a peer.

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

---

**Usage**   <configuration>  
               <routing-instances>  
                   <instance>  
                       <protocols>  
                           <bgp>  
                               <family>  
                                   **<route-target>**  
                                       <prefix-limit>...</prefix-limit>  
                                       <accepted-prefix-limit>...</accepted-prefix-limit>  
                                       <external-paths>*external-paths*</external-paths>  
                                       <advertise-default/>  
                                   **</route-target>**  
                               </family>  
                           </bgp>  
                       </protocols>  
                   </instance>  
               </routing-instances>  
           </configuration>

**Description**   Route target NLRI used for VPN route filtering.

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

              <advertise-default>—Advertise default and suppress more specific routes.

              <external-paths>—Number of external paths accepted for route filtering.

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



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

---

**Usage**   <configuration>  
               <routing-instances>  
                   <instance>  
                       <protocols>  
                           <bgp>  
                               <group>  
                                   <family>  
                                       **<route-target>**  
   <prefix-limit>...</prefix-limit>  
   <accepted-prefix-limit>...</accepted-prefix-limit>  
   <external-paths>*external-paths*</external-paths>  
   <advertise-default/>  
                                       **</route-target>**  
                                   </family>  
                               </group>  
                           </bgp>  
                       </protocols>  
                   </instance>  
               </routing-instances>  
           </configuration>

**Description**   Route target NLRI used for VPN route filtering.

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

              <advertise-default>—Advertise default and suppress more specific routes.

              <external-paths>—Number of external paths accepted for route filtering.

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

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

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <bgp>
          <group>
            <neighbor>
              <family>
                <route-target>
                  <prefix-limit>...</prefix-limit>
                  <accepted-prefix-limit>...</accepted-prefix-limit>
                  <external-paths>external-paths</external-paths>
                  <advertise-default/>
                </route-target>
              </family>
            </neighbor>
          </group>
        </bgp>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Route target NLRI used for VPN route filtering.

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

<advertise-default>—Advertise default and suppress more specific routes.

<external-paths>—Number of external paths accepted for route filtering.

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

## **<route-target> (configuration/routing-instances/instance/protocols/mvpn)**

---

- Usage** `<configuration>  
     <routing-instances>  
         <instance>  
             <protocols>  
                 <mvpn>  
                     <route-target>  
                         <import-target>...</import-target>  
                         <export-target>...</export-target>  
                     </route-target>  
                 </mvpn>  
             </protocols>  
         </instance>  
     </routing-instances>  
</configuration>`
- Description** Configure route-targets for MVPN routes.
- Contents** `<export-target>`—Target communities used when exporting routes.  
               `<import-target>`—Target communities used when importing routes.

## **<router> (configuration/access/address-assignment/pool/family/inet/dhcp-attributes)**

---

- Usage** `<configuration>  
     <access>  
         <address-assignment>  
             <pool>  
                 <family>  
                     <inet>  
                         <dhcp-attributes>  
                             <router>  
                                 <name>name</name>   <!-- identifier -->  
                             </router>  
                         </dhcp-attributes>  
                     </inet>  
                 </family>  
             </pool>  
         </address-assignment>  
     </access>  
</configuration>`
- Description** Routers advertised to clients.
- Contents** `<name>`—Router's IPv4 address.

## **<router> (configuration/logical-systems/access/address-assignment/pool/family/inet/dhcp-attributes)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <access>  
          <address-assignment>  
          <pool>  
          <family>  
          <inet>  
          <dhcp-attributes>  
            **<router>**  
              <name>name</name>   <!-- identifier -->  
            **</router>**  
          </dhcp-attributes>  
          </inet>  
          </family>  
          </pool>  
          </address-assignment>  
          </access>  
          </logical-systems>  
          </configuration>

**Description**   Routers advertised to clients.

**Contents**    <name>—Router's IPv4 address.

**<router> (configuration/logical-systems/routing-instances/  
instance/access/address-assignment/pool/family/inet/  
dhcp-attributes)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <access>  
          <address-assignment>  
          <pool>  
          <family>  
          <inet>  
          <dhcp-attributes>  
          **<router>**  
            <name>name</name>   <!-- identifier -->  
          **</router>**  
          </dhcp-attributes>  
          </inet>  
          </family>  
          </pool>  
          </address-assignment>  
          </access>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Routers advertised to clients.

**Contents**     <name>—Router's IPv4 address.

## **<router> (configuration/routing-instances/instance/access/address-assignment/pool/family/inet/dhcp-attributes)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <access>
        <address-assignment>
          <pool>
            <family>
              <inet>
                <dhcp-attributes>
                  <router>
                    <name>name</name>    <!-- identifier -->
                  </router>
                </dhcp-attributes>
              </inet>
            </family>
          </pool>
        </address-assignment>
      </access>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Routers advertised to clients.

**Contents** <name>—Router's IPv4 address.

## **<router> (configuration/system/services/dhcp)**

---

**Usage**

```

<configuration>
  <system>
    <services>
      <dhcp>
        <router>
          <name>name</name>    <!-- identifier -->
        </router>
      </dhcp>
    </services>
  </system>
</configuration>

```

**Description** Routers advertised to clients.

**Contents** <name>—Router's IPv4 address.

**<router> (configuration/system/services/dhcp/pool)**

---

**Usage**   <configuration>  
          <system>  
          <services>  
          <dhcp>  
          <pool>  
            **<router>**  
              <name>name</name>   <!-- identifier -->  
            **</router>**  
          </pool>  
          </dhcp>  
          </services>  
          </system>  
          </configuration>

**Description**   Routers advertised to clients.

**Contents**   <name>—Router's IPv4 address.

**<router> (configuration/system/services/dhcp/static-binding)**

---

**Usage**   <configuration>  
          <system>  
          <services>  
          <dhcp>  
          <static-binding>  
            **<router>**  
              <name>name</name>   <!-- identifier -->  
            **</router>**  
          </static-binding>  
          </dhcp>  
          </services>  
          </system>  
          </configuration>

**Description**   Routers advertised to clients.

**Contents**   <name>—Router's IPv4 address.

**<router-advertisement> (configuration/logical-systems/protocols)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;protocols&gt;       &lt;router-advertisement&gt;         &lt;traceoptions&gt;...&lt;/traceoptions&gt;         &lt;interface&gt;...&lt;/interface&gt;       &lt;/router-advertisement&gt;     &lt;/protocols&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	IPv6 router advertisement options.
<b>Contents</b>	<p>&lt;interface&gt;—Interfaces on which to configure router advertisement.</p> <p>&lt;traceoptions&gt;—Trace options for router advertisement.</p>

**<router-advertisement> (configuration/protocols)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;router-advertisement&gt;       &lt;traceoptions&gt;...&lt;/traceoptions&gt;       &lt;interface&gt;...&lt;/interface&gt;     &lt;/router-advertisement&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	IPv6 router advertisement options.
<b>Contents</b>	<p>&lt;interface&gt;—Interfaces on which to configure router advertisement.</p> <p>&lt;traceoptions&gt;—Trace options for router advertisement.</p>



## **<router-discovery> (configuration/logical-systems/protocols)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <protocols>  
               **<router-discovery>**  
                   <disable/>  
                   <traceoptions>...</traceoptions>  
                   <interface>...</interface>  
                   <address>...</address>  
               **</router-discovery>**  
               </protocols>  
               </logical-systems>  
               </configuration>

**Description**   ICMP router discovery options.

**Contents**   <address>—IP addresses to include in advertisements.  
                   <disable>—Disable router discovery.  
                   <interface>—Interfaces on which to configure router discovery.  
                   <traceoptions>—Trace options for router discovery.

## **<router-discovery> (configuration/logical-systems/ routing-instances/instance/protocols)**

---

**Usage** <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
             **<router-discovery>**  
               <disable/>  
               <traceoptions>...</traceoptions>  
               <interface>...</interface>  
               <address>...</address>  
             **</router-discovery>**  
           </protocols>  
         </instance>  
       </routing-instances>  
     </logical-systems>  
 </configuration>

**Description** ICMP router discovery options.

**Contents** <address>—IP addresses to include in advertisements.

          <disable>—Disable router discovery.

          <interface>—Interfaces on which to configure router discovery.

          <traceoptions>—Trace options for router discovery.

## **<router-discovery> (configuration/protocols)**

---

**Usage** <configuration>  
           <protocols>  
             **<router-discovery>**  
               <disable/>  
               <traceoptions>...</traceoptions>  
               <interface>...</interface>  
               <address>...</address>  
             **</router-discovery>**  
           </protocols>  
 </configuration>

**Description** ICMP router discovery options.

**Contents** <address>—IP addresses to include in advertisements.

          <disable>—Disable router discovery.

          <interface>—Interfaces on which to configure router discovery.

          <traceoptions>—Trace options for router discovery.

## **<router-discovery> (configuration/routing-instances/instance/protocols)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;protocols&gt;         &lt;router-discovery&gt;           &lt;disable/&gt;           &lt;traceoptions&gt;...&lt;/traceoptions&gt;           &lt;interface&gt;...&lt;/interface&gt;           &lt;address&gt;...&lt;/address&gt;         &lt;/router-discovery&gt;       &lt;/protocols&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	ICMP router discovery options.
<b>Contents</b>	<p>&lt;address&gt;—IP addresses to include in advertisements.</p> <p>&lt;disable&gt;—Disable router discovery.</p> <p>&lt;interface&gt;—Interfaces on which to configure router discovery.</p> <p>&lt;traceoptions&gt;—Trace options for router discovery.</p>

## **<routing> (configuration/system/processes)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;system&gt;     &lt;processes&gt;       &lt;routing&gt;         &lt;disable/&gt;         &lt;failover&gt;failover-choice&lt;/failover&gt;       &lt;/routing&gt;     &lt;/processes&gt;   &lt;/system&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Routing process.
<b>Contents</b>	<p>&lt;disable&gt;—Disable routing process.</p> <p>&lt;failover&gt;—How to handle failure of routing process.</p> <ul style="list-style-type: none"> <li>■ alternate-media—On failure, reboot off alternate media.</li> <li>■ other-routing-engine—On failure, switch mastership to other Routing Engine.</li> </ul>

**<routing-engine> (configuration/chassis)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;chassis&gt;     &lt;routing-engine&gt;       &lt;on-disk-failure&gt;...&lt;/on-disk-failure&gt;     &lt;/routing-engine&gt;   &lt;/chassis&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Routing Engine settings.
<b>Contents</b>	<on-disk-failure>—Action to take when Routing Engine disk fails.

**<routing-engine> (configuration/chassis/redundancy)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;chassis&gt;     &lt;redundancy&gt;       &lt;routing-engine&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;master/&gt;         &lt;backup/&gt;         &lt;disabled/&gt;       &lt;/routing-engine&gt;     &lt;/redundancy&gt;   &lt;/chassis&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Redundancy options for Routing Engines.
<b>Contents</b>	<p>&lt;backup&gt;—Backup Routing Engine.</p> <p>&lt;disabled&gt;—Routing Engine disabled.</p> <p>&lt;master&gt;—Master Routing Engine.</p> <p>&lt;name&gt;—Routing Engine slot number.</p>

**<routing-engine-profile> (configuration/accounting-options)**

---

**Usage** <configuration>  
           <accounting-options>  
             **<routing-engine-profile>**  
               <name>*name*</name>   <!-- identifier -->  
               <file>*file*</file>  
               <interval>*minutes*</interval>  
               <fields>...</fields>   <!-- mandatory -->  
             **</routing-engine-profile>**  
           </accounting-options>  
         </configuration>

**Description** Routing Engine profile for accounting data.

**Contents** <fields>—Information to log to file.  
               <file>—Name of file for accounting data.  
               <interval>—Polling interval.  
               <name>—Name of profile.

**<routing-instance> (configuration/dynamic-profiles/interfaces/interface/unit/tunnel)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
             <interfaces>  
               <interface>  
                 <unit>  
                   <tunnel>  
                     **<routing-instance>**  
                       <destination>*destination*</destination>  
                     **</routing-instance>**  
                   </tunnel>  
                 </unit>  
               </interface>  
             </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description** Routing instance to which tunnel ends belong.

**Contents** <destination>—Routing instance of tunnel destination.

**<routing-instance> (configuration/firewall/family/inet/filter/term/then)**

---

**Usage**   <configuration>  
          <firewall>  
          <family>  
          <inet>  
          <filter>  
          <term>  
          <then>  
            **<routing-instance>**  
              <routing-instance-name>*routing-instance-name*  
              </routing-instance-name>    <!-- mandatory -->  
              <topology>*topology*</topology>  
              **</routing-instance>**  
            </then>  
          </term>  
          </filter>  
          </inet>  
          </family>  
          </firewall>  
          </configuration>

**Description**   Packets are directed to specified routing instance.

**Contents**   <routing-instance-name>—Name of routing instance.

          <topology>—Packets are directed to specified topology.

## **<routing-instance> (configuration/firewall/family/inet/filter/term/then/logical-system)**

---

**Usage**   <configuration>  
           <firewall>  
           <family>  
           <inet>  
           <filter>  
           <term>  
           <then>  
           <logical-system>  
             **<routing-instance>**  
               <routing-instance-name>*routing-instance-name*  
               </routing-instance-name>   <!-- mandatory -->  
               <topology>*topology*</topology>  
             **</routing-instance>**  
           </logical-system>  
           </then>  
           </term>  
           </filter>  
           </inet>  
           </family>  
           </firewall>  
         </configuration>

**Description**   Packets are directed to specified routing instance.

**Contents**    <routing-instance-name>—Name of routing instance.

                <topology>—Packets are directed to specified topology.

**<routing-instance> (configuration/firewall/family/inet6/filter/term/then)**

---

**Usage**   <configuration>  
          <firewall>  
          <family>  
          <inet6>  
          <filter>  
          <term>  
          <then>  
            **<routing-instance>**  
              <routing-instance-name>*routing-instance-name*  
              </routing-instance-name>    <!-- mandatory -->  
              <topology>*topology*</topology>  
              **</routing-instance>**  
            </then>  
          </term>  
          </filter>  
          </inet6>  
          </family>  
          </firewall>  
          </configuration>

**Description**   Packets are directed to specified routing instance.

**Contents**   <routing-instance-name>—Name of routing instance.

          <topology>—Packets are directed to specified topology.



## **<routing-instance> (configuration/firewall/family/inet6/filter/term/then/logical-system)**

---

**Usage**

```

<configuration>
  <firewall>
    <family>
      <inet6>
        <filter>
          <term>
            <then>
              <logical-system>
                <routing-instance>
                  <routing-instance-name>routing-instance-name
                  </routing-instance-name>    <!-- mandatory -->
                  <topology>topology</topology>
                </routing-instance>
              </logical-system>
            </then>
          </term>
        </filter>
      </inet6>
    </family>
  </firewall>
</configuration>

```

**Description** Packets are directed to specified routing instance.

**Contents** <routing-instance-name>—Name of routing instance.

<topology>—Packets are directed to specified topology.

**<routing-instance> (configuration/firewall/filter/term/then)**

---

**Usage** <configuration>  
           <firewall>  
             <filter>  
               <term>  
                 <then>  
                   **<routing-instance>**  
                     <routing-instance-name>*routing-instance-name*  
                           </routing-instance-name>   <!-- mandatory -->  
                     <topology>*topology*</topology>  
                   **</routing-instance>**  
                 </then>  
               </term>  
             </filter>  
           </firewall>  
         </configuration>

**Description** Packets are directed to specified routing instance.

**Contents** <routing-instance-name>—Name of routing instance.  
               <topology>—Packets are directed to specified topology.

**<routing-instance> (configuration/firewall/filter/term/then/logical-system)**

---

**Usage** <configuration>  
           <firewall>  
             <filter>  
               <term>  
                 <then>  
                   <logical-system>  
                     **<routing-instance>**  
                       <routing-instance-name>*routing-instance-name*  
                             </routing-instance-name>   <!-- mandatory -->  
                       <topology>*topology*</topology>  
                     **</routing-instance>**  
                   </logical-system>  
                 </then>  
               </term>  
             </filter>  
           </firewall>  
         </configuration>

**Description** Packets are directed to specified routing instance.

**Contents** <routing-instance-name>—Name of routing instance.  
               <topology>—Packets are directed to specified topology.

## **<routing-instance> (configuration/forwarding-options/helpers/bootp/interface/server)**

---

**Usage** <configuration>  
     <forwarding-options>  
         <helpers>  
             <bootp>  
                 <interface>  
                     <server>  
                         **<routing-instance>**  
                             <name>*name*</name>   <!-- identifier -->  
                         **</routing-instance>**  
                     </server>  
                 </interface>  
             </bootp>  
         </helpers>  
     </forwarding-options>  
 </configuration>

**Description** Routing instance of server to which to forward.

**Contents** <name>—Routing instance of server to which to forward.

## **<routing-instance> (configuration/forwarding-options/helpers/bootp/interface/server/logical-system)**

---

**Usage** <configuration>  
     <forwarding-options>  
         <helpers>  
             <bootp>  
                 <interface>  
                     <server>  
                         <logical-system>  
                             **<routing-instance>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</routing-instance>**  
                         </logical-system>  
             </server>  
         </interface>  
     </bootp>  
     </helpers>  
 </forwarding-options>  
 </configuration>

**Description** Routing instance of server to which to forward.

**Contents** <name>—Routing instance of server to which to forward.

## **<routing-instance> (configuration/forwarding-options/helpers/bootp/server)**

---

**Usage** <configuration>  
     <forwarding-options>  
         <helpers>  
             <bootp>  
                 <server>  
                     **<routing-instance>**  
                         <name>*name*</name>   <!-- identifier -->  
                     **</routing-instance>**  
                 </server>  
             </bootp>  
         </helpers>  
     </forwarding-options>  
 </configuration>

**Description** Routing instance of server to which to forward.

**Contents** <name>—Routing instance of server to which to forward.

## **<routing-instance> (configuration/forwarding-options/helpers/bootp/server/logical-system)**

---

**Usage** <configuration>  
     <forwarding-options>  
         <helpers>  
             <bootp>  
                 <server>  
                     <logical-system>  
                         **<routing-instance>**  
                             <name>*name*</name>   <!-- identifier -->  
                         **</routing-instance>**  
                     </logical-system>  
                 </server>  
             </bootp>  
         </helpers>  
     </forwarding-options>  
 </configuration>

**Description** Routing instance of server to which to forward.

**Contents** <name>—Routing instance of server to which to forward.

## **<routing-instance> (configuration/interfaces/interface/unit/tunnel)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <unit>  
                 <tunnel>  
                   **<routing-instance>**  
                     <destination>*destination*</destination>  
                   **</routing-instance>**  
                 </tunnel>  
               </unit>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** Routing instance to which tunnel ends belong.

**Contents** <destination>—Routing instance of tunnel destination.

## **<routing-instance> (configuration/logical-systems/firewall/family/inet/filter/term/then)**

---

**Usage** <configuration>  
           <logical-systems>  
             <firewall>  
               <family>  
                 <inet>  
                   <filter>  
                     <term>  
                       <then>  
                         **<routing-instance>**  
                           <routing-instance-name>*routing-instance-name*  
                             </routing-instance-name>   <!-- mandatory -->  
                           <topology>*topology*</topology>  
                         **</routing-instance>**  
                       </then>  
                     </term>  
                   </filter>  
                 </inet>  
               </family>  
             </firewall>  
           </logical-systems>  
         </configuration>

**Description** Packets are directed to specified routing instance.

**Contents** <routing-instance-name>—Name of routing instance.

<topology>—Packets are directed to specified topology.

## **<routing-instance> (configuration/logical-systems/firewall/family/inet/filter/term/then/logical-system)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <inet>
          <filter>
            <term>
              <then>
                <logical-system>
                  <routing-instance>
                    <routing-instance-name>routing-instance-name
                      </routing-instance-name>    <!-- mandatory -->
                    <topology>topology</topology>
                  </routing-instance>
                </logical-system>
              </then>
            </term>
          </filter>
        </inet>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Packets are directed to specified routing instance.

**Contents** <routing-instance-name>—Name of routing instance.

<topology>—Packets are directed to specified topology.

## **<routing-instance> (configuration/logical-systems/firewall/family/inet6/filter/term/then)**

---

**Usage**   <configuration>  
               <logical-systems>  
                   <firewall>  
                       <family>  
                           <inet6>  
                               <filter>  
                                   <term>  
                                       <then>  
   **<routing-instance>**  
   <routing-instance-name>*routing-instance-name*  
   </routing-instance-name>   <!-- mandatory -->  
   <topology>*topology*</topology>  
   **</routing-instance>**  
                                       </then>  
                                   </term>  
                               </filter>  
                           </inet6>  
                       </family>  
                   </firewall>  
               </logical-systems>  
           </configuration>

**Description**   Packets are directed to specified routing instance.

**Contents**   <routing-instance-name>—Name of routing instance.

                  <topology>—Packets are directed to specified topology.

## **<routing-instance> (configuration/logical-systems/firewall/family/inet6/filter/term/then/logical-system)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <inet6>
          <filter>
            <term>
              <then>
                <logical-system>
                  <routing-instance>
                    <routing-instance-name>routing-instance-name
                      </routing-instance-name>    <!-- mandatory -->
                    <topology>topology</topology>
                  </routing-instance>
                </logical-system>
              </then>
            </term>
          </filter>
        </inet6>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Packets are directed to specified routing instance.

**Contents** <routing-instance-name>—Name of routing instance.

<topology>—Packets are directed to specified topology.



## **<routing-instance> (configuration/logical-systems/firewall/filter/term/then)**

---

**Usage**   <configuration>  
               <logical-systems>  
                   <firewall>  
                       <filter>  
                           <term>  
                               <then>  
                                   **<routing-instance>**  
                                       <routing-instance-name>*routing-instance-name*  
   </routing-instance-name>   <!-- mandatory -->  
                                       <topology>*topology*</topology>  
                                   **</routing-instance>**  
                               </then>  
                           </term>  
                       </filter>  
                   </firewall>  
               </logical-systems>  
           </configuration>

**Description**   Packets are directed to specified routing instance.

**Contents**   <routing-instance-name>—Name of routing instance.

              <topology>—Packets are directed to specified topology.

## **<routing-instance> (configuration/logical-systems/firewall/filter/term/then/logical-system)**

---

**Usage** <configuration>  
     <logical-systems>  
         <firewall>  
             <filter>  
                 <term>  
                     <then>  
                         <logical-system>  
                             **<routing-instance>**  
                                 <routing-instance-name>*routing-instance-name*  
                                     </routing-instance-name>   <!-- mandatory -->  
                                 <topology>*topology*</topology>  
                             **</routing-instance>**  
                         </logical-system>  
             </then>  
         </term>  
     </filter>  
   </firewall>  
</logical-systems>  
</configuration>

**Description** Packets are directed to specified routing instance.

**Contents** <routing-instance-name>—Name of routing instance.  
             <topology>—Packets are directed to specified topology.

## **<routing-instance> (configuration/logical-systems/interfaces/interface/unit/tunnel)**

---

**Usage** <configuration>  
     <logical-systems>  
         <interfaces>  
             <interface>  
                 <unit>  
                     <tunnel>  
                         **<routing-instance>**  
                             <destination>*destination*</destination>  
                         **</routing-instance>**  
                     </tunnel>  
                 </unit>  
     </interface>  
   </interfaces>  
</logical-systems>  
</configuration>

**Description** Routing instance to which tunnel ends belong.

**Contents** <destination>—Routing instance of tunnel destination.

## **<routing-instance> (configuration/logical-systems/ routing-instances/instance/forwarding-options/helpers/bootp/ interface/server)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <forwarding-options>  
          <helpers>  
          <bootp>  
          <interface>  
          <server>  
              **<routing-instance>**  
                  <name>*name*</name>   <!-- identifier -->  
              **</routing-instance>**  
          </server>  
          </interface>  
          </bootp>  
          </helpers>  
          </forwarding-options>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Routing instance of server to which to forward.

**Contents**   <name>—Routing instance of server to which to forward.

## **<routing-instance> (configuration/logical-systems/routing-instances/instance/forwarding-options/helpers/bootp/interface/server/logical-system)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <forwarding-options>
          <helpers>
            <bootp>
              <interface>
                <server>
                  <logical-system>
                    <routing-instance>
                      <name>name</name>    <!-- identifier -->
                    </routing-instance>
                  </logical-system>
                </server>
              </interface>
            </bootp>
          </helpers>
        </forwarding-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Routing instance of server to which to forward.

**Contents** <name>—Routing instance of server to which to forward.

## **<routing-instance> (configuration/logical-systems/routing-instances/instance/forwarding-options/helpers/bootp/server)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <forwarding-options>  
           <helpers>  
           <bootp>  
           <server>  
               **<routing-instance>**  
                   <name>*name*</name>   <!-- identifier -->  
               **</routing-instance>**  
           </server>  
           </bootp>  
           </helpers>  
           </forwarding-options>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Routing instance of server to which to forward.

**Contents**   <name>—Routing instance of server to which to forward.

## **<routing-instance> (configuration/logical-systems/routing-instances/instance/forwarding-options/helpers/bootp/server/logical-system)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <forwarding-options>
          <helpers>
            <bootp>
              <server>
                <logical-system>
                  <routing-instance>
                    <name>name</name>    <!-- identifier -->
                  </routing-instance>
                </logical-system>
              </server>
            </bootp>
          </helpers>
        </forwarding-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Routing instance of server to which to forward.

**Contents** <name>—Routing instance of server to which to forward.

## **<routing-instance> (configuration/routing-instances/instance/forwarding-options/helpers/bootp/interface/server)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <forwarding-options>  
           <helpers>  
           <bootp>  
           <interface>  
           <server>  
               **<routing-instance>**  
                   <name>*name*</name>   <!-- identifier -->  
               **</routing-instance>**  
           </server>  
           </interface>  
           </bootp>  
           </helpers>  
           </forwarding-options>  
           </instance>  
           </routing-instances>  
         </configuration>

**Description**   Routing instance of server to which to forward.

**Contents**   <name>—Routing instance of server to which to forward.

## **<routing-instance> (configuration/routing-instances/instance/forwarding-options/helpers/bootp/interface/server/logical-system)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <forwarding-options>  
                 <helpers>  
                     <bootp>  
                         <interface>  
                             <server>  
                                 <logical-system>  
                                     **<routing-instance>**  
   <name>name</name>   <!-- identifier -->  
                                     **</routing-instance>**  
                                 </logical-system>  
                             </server>  
                         </interface>  
                     </bootp>  
                 </helpers>  
     </forwarding-options>  
     </instance>  
     </routing-instances>  
 </configuration>

**Description** Routing instance of server to which to forward.

**Contents** <name>—Routing instance of server to which to forward.

## **<routing-instance> (configuration/routing-instances/instance/forwarding-options/helpers/bootp/server)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <forwarding-options>  
                 <helpers>  
                     <bootp>  
                         <server>  
                             **<routing-instance>**  
                                 <name>name</name>   <!-- identifier -->  
                             **</routing-instance>**  
                         </server>  
                 </bootp>  
             </helpers>  
     </forwarding-options>  
     </instance>  
     </routing-instances>  
 </configuration>

**Description** Routing instance of server to which to forward.

**Contents** <name>—Routing instance of server to which to forward.



## **<routing-instance> (configuration/routing-instances/instance/forwarding-options/helpers/bootp/server/logical-system)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <forwarding-options>  
                 <helpers>  
                     <bootp>  
                         <server>  
                             <logical-system>  
                                 **<routing-instance>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</routing-instance>**  
                             </logical-system>  
                         </server>  
                     </bootp>  
                 </helpers>  
     </forwarding-options>  
     </instance>  
     </routing-instances>  
 </configuration>

**Description** Routing instance of server to which to forward.

**Contents** <name>—Routing instance of server to which to forward.

## **<routing-instance> (configuration/services/pgcp/virtual-interface)**

---

**Usage** <configuration>  
     <services>  
         <pgcp>  
             <virtual-interface>  
                 **<routing-instance>**  
                     <routing-instance-name>routing-instance-name  
                             </routing-instance-name>   <!-- mandatory -->  
                     <service-interface>service-interface</service-interface>   <!-- mandatory -->  
                 **</routing-instance>**  
             </virtual-interface>  
         </pgcp>  
     </services>  
 </configuration>

**Description** Routing instance.

**Contents** <routing-instance-name>—Routing instance of server to which to forward.

<service-interface>—Service interface name.

**<routing-instance> (configuration/snmp/community)**

---

**Usage** <configuration>  
           <snmp>  
             <community>  
               **<routing-instance>**  
                 <name>*name*</name>   <!-- identifier -->  
                 <client-list-name>*client-list-name*</client-list-name>  
                 <clients>...</clients>  
               **</routing-instance>**  
             </community>  
           </snmp>  
     </configuration>

**Description** Use routing-instance name for v1/v2c clients.

**Contents** <client-list-name>—The name of client list or prefix list.  
               <clients>—List of source address prefix ranges to accept.  
               <name>—Routing instance of v1/v2c clients.

**<routing-instance> (configuration/snmp/community/logical-system)**

---

**Usage** <configuration>  
           <snmp>  
             <community>  
               <logical-system>  
                 **<routing-instance>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <client-list-name>*client-list-name*</client-list-name>  
                   <clients>...</clients>  
                 **</routing-instance>**  
               </logical-system>  
             </community>  
           </snmp>  
     </configuration>

**Description** Use routing-instance name for v1/v2c clients.

**Contents** <client-list-name>—The name of client list or prefix list.  
               <clients>—List of source address prefix ranges to accept.  
               <name>—Routing instance of v1/v2c clients.

**<routing-instance> (configuration/snmp/trap-options)**

---

**Usage** <configuration>  
           <snmp>  
             <trap-options>  
               **<routing-instance>**  
                 <name>*name*</name>   <!-- identifier -->  
                 <source-address>...</source-address>  
               **</routing-instance>**  
             </trap-options>  
           </snmp>  
         </configuration>

**Description** Use routing-instance name for source-address.

**Contents** <name>—Routing instance of trap destination.  
               <source-address>—IPv4 source address for trap PDUs.

**<routing-instance> (configuration/snmp/trap-options/logical-system)**

---

**Usage** <configuration>  
           <snmp>  
             <trap-options>  
               <logical-system>  
                 **<routing-instance>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <source-address>...</source-address>  
                 **</routing-instance>**  
               </logical-system>  
             </trap-options>  
           </snmp>  
         </configuration>

**Description** Use routing-instance name for source-address.

**Contents** <name>—Routing instance of trap destination.  
               <source-address>—IPv4 source address for trap PDUs.

**<routing-instance-access> (configuration/snmp)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;snmp&gt;     &lt;routing-instance-access&gt;       &lt;access-list&gt;...&lt;/access-list&gt;     &lt;/routing-instance-access&gt;   &lt;/snmp&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	SNMP routing-instance options.
<b>Contents</b>	<access-list>—Allow/Deny SNMP access to routing-instances.

**<routing-instances> (configuration)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;...&lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Routing instance configuration.
<b>Contents</b>	<instance>—No documentation is available yet.

**<routing-instances> (configuration/class-of-service)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;class-of-service&gt;     &lt;routing-instances&gt;       &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;       &lt;classifiers&gt;...&lt;/classifiers&gt;     &lt;/routing-instances&gt;   &lt;/class-of-service&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Apply CoS options to routing instances with VRF table label.
<b>Contents</b>	<classifiers>—Classifiers applied to incoming packets.  <name>—Routing instance name (or wildcard).

## <routing-instances> (configuration/dynamic-profiles/class-of-service)

---

- Usage** `<configuration>  
     <dynamic-profiles>  
         <class-of-service>  
             <routing-instances>  
                 <name>name</name>   <!-- identifier -->  
                 <classifiers>...</classifiers>  
             </routing-instances>  
         </class-of-service>  
     </dynamic-profiles>  
</configuration>`
- Description** Apply CoS options to routing instances with VRF table label.
- Contents** `<classifiers>`—Classifiers applied to incoming packets.
- `<name>`—Routing instance name (or wildcard).

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

---

- Usage** `<configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>...</instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>`
- Description** Routing instance configuration.
- Contents** `<instance>`—No documentation is available yet.

## <routing-instances> (configuration/services/rpm/bgp)

---

- Usage** `<configuration>  
     <services>  
         <rpm>  
             <bgp>  
                 <routing-instances>  
                     <name>name</name>   <!-- identifier -->  
                 </routing-instances>  
             </bgp>  
         </rpm>  
     </services>  
</configuration>`
- Description** Routing instances.
- Contents** `<name>`—Routing instance name.

## **<routing-instances> (configuration/services/rpm/bgp/ logical-system)**

---

**Usage**   <configuration>  
          <services>  
          <rpm>  
          <bgp>  
          <logical-system>  
          **<routing-instances>**  
            <name>*name*</name>   <!-- identifier -->  
          **</routing-instances>**  
          </logical-system>  
          </bgp>  
          </rpm>  
          </services>  
          </configuration>

**Description**   Routing instances.

**Contents**    <name>—Routing instance name.

**<routing-options> (configuration)**

**Usage** <configuration>  
     **<routing-options>**  
         <med-igp-update-interval>*med-igp-update-interval*</med-igp-update-interval>  
         <bgp-orf-cisco-mode/>  
         <ppm>...</ppm>  
         <source-routing>...</source-routing>  
         <traceoptions>...</traceoptions>  
         <options>...</options>  
         <graceful-restart>...</graceful-restart>  
         <nonstop-routing/>  
         <interface-routes>...</interface-routes>  
         <rib>...</rib>  
         <static>...</static>  
         <martians>...</martians>  
         <aggregate>...</aggregate>  
         <generate>...</generate>  
         <maximum-paths>...</maximum-paths>  
         <maximum-prefixes>...</maximum-prefixes>  
         <multipath>...</multipath>  
         <rib-groups>...</rib-groups>  
         <route-record/>  
         <router-id>*router-id*</router-id>  
         <route-distinguisher-id>*route-distinguisher-id*</route-distinguisher-id>  
         <autonomous-system>...</autonomous-system>  
         <confederation>...</confederation>  
         <forwarding-table>...</forwarding-table>  
         <resolution>...</resolution>  
         <multicast>...</multicast>  
         <instance-import>...</instance-import>  
         <instance-export>...</instance-export>  
         <auto-export>...</auto-export>  
         <dynamic-tunnels>...</dynamic-tunnels>  
         <flow>...</flow>  
         <topologies>...</topologies>  
         <fate-sharing>...</fate-sharing>  
     **</routing-options>**  
 </configuration>

**Description** Protocol-independent routing option configuration.

**Contents** <aggregate>—Coalesced routes.

<auto-export>—Export routes between routing instances.

<autonomous-system>—Autonomous system number.

<bgp-orf-cisco-mode>—Using BGP ORF capability code 130 and Prefix ORF type 128.

<confederation>—Confederation autonomous system number.

<dynamic-tunnels>—Dynamic tunnel definitions.

<fate-sharing>—Fate-sharing links or nodes database.

<flow>—Locally defined flow routing information.

<forwarding-table>—No documentation is available yet.

<generate>—Route of last resort.

<graceful-restart>—Graceful or hitless routing restart options.

<instance-export>—Export policy for instance RIBs.

<instance-import>—Import policy for instance RIBs.

<interface-routes>—Define routing table groups for interface routes.

<martians>—Invalid routes.

<maximum-paths>—Maximum number of paths.

<maximum-prefixes>—Maximum number of prefixes.

<med-igp-update-interval>—Delay (in minutes) in updating MED IGP for bgp groups with 'delay-med-update' .

<multicast>—Global multicast options.

<multipath>—Protocol-independent load balancing.

<nonstop-routing>—Enable nonstop routing.

<options>—Miscellaneous options.

<ppm>—Set periodic packet management properties.

<resolution>—Route next-hop resolution options.

<rib>—Routing table options.

<rib-groups>—Group of routing tables.

<route-distinguisher-id>—Identifier used in route distinguishers for routing instances.

<route-record>—Enable route recording.

<router-id>—Router identifier.

<source-routing>—Source-routing options.

<static>—Static routes.

<topologies>—Define routing topologies.

<traceoptions>—Global routing protocol trace options.



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

**Usage** <configuration>  
           <logical-systems>  
             **<routing-options>**  
               <med-igp-update-interval>*med-igp-update-interval*</med-igp-update-interval>  
               <bgp-orf-cisco-mode/>  
               <ppm>...</ppm>  
               <source-routing>...</source-routing>  
               <traceoptions>...</traceoptions>  
               <options>...</options>  
               <graceful-restart>...</graceful-restart>  
               <nonstop-routing/>  
               <interface-routes>...</interface-routes>  
               <rib>...</rib>  
               <static>...</static>  
               <martians>...</martians>  
               <aggregate>...</aggregate>  
               <generate>...</generate>  
               <maximum-paths>...</maximum-paths>  
               <maximum-prefixes>...</maximum-prefixes>  
               <multipath>...</multipath>  
               <rib-groups>...</rib-groups>  
               <route-record/>  
               <router-id>*router-id*</router-id>  
               <route-distinguisher-id>*route-distinguisher-id*</route-distinguisher-id>  
               <autonomous-system>...</autonomous-system>  
               <confederation>...</confederation>  
               <forwarding-table>...</forwarding-table>  
               <resolution>...</resolution>  
               <multicast>...</multicast>  
               <instance-import>...</instance-import>  
               <instance-export>...</instance-export>  
               <auto-export>...</auto-export>  
               <dynamic-tunnels>...</dynamic-tunnels>  
               <flow>...</flow>  
               <topologies>...</topologies>  
               <fate-sharing>...</fate-sharing>  
             **</routing-options>**  
           </logical-systems>  
         </configuration>

**Description** Protocol-independent routing option configuration.

**Contents** <aggregate>—Coalesced routes.

<auto-export>—Export routes between routing instances.

<autonomous-system>—Autonomous system number.

<bgp-orf-cisco-mode>—Using BGP ORF capability code 130 and Prefix ORF type 128.

<confederation>—Confederation autonomous system number.

<dynamic-tunnels>—Dynamic tunnel definitions.

<fate-sharing>—Fate-sharing links or nodes database.

<flow>—Locally defined flow routing information.

<forwarding-table>—No documentation is available yet.

<generate>—Route of last resort.

<graceful-restart>—Graceful or hitless routing restart options.

<instance-export>—Export policy for instance RIBs.

<instance-import>—Import policy for instance RIBs.

<interface-routes>—Define routing table groups for interface routes.

<martians>—Invalid routes.

<maximum-paths>—Maximum number of paths.

<maximum-prefixes>—Maximum number of prefixes.

<med-igp-update-interval>—Delay (in minutes) in updating MED IGP for bgp groups with 'delay-med-update' .

<multicast>—Global multicast options.

<multipath>—Protocol-independent load balancing.

<nonstop-routing>—Enable nonstop routing.

<options>—Miscellaneous options.

<ppm>—Set periodic packet management properties.

<resolution>—Route next-hop resolution options.

<rib>—Routing table options.

<rib-groups>—Group of routing tables.

<route-distinguisher-id>—Identifier used in route distinguishers for routing instances.

<route-record>—Enable route recording.

<router-id>—Router identifier.

<source-routing>—Source-routing options.

<static>—Static routes.

<topologies>—Define routing topologies.

<traceoptions>—Global routing protocol trace options.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <routing-options>
          <med-igp-update-interval>med-igp-update-interval</med-igp-update-interval>
          <bgp-orf-cisco-mode/>
          <ppm>...</ppm>
          <source-routing>...</source-routing>
          <traceoptions>...</traceoptions>
          <options>...</options>
          <graceful-restart>...</graceful-restart>
          <nonstop-routing/>
          <interface-routes>...</interface-routes>
          <rib>...</rib>
          <static>...</static>
          <martians>...</martians>
          <aggregate>...</aggregate>
          <generate>...</generate>
          <maximum-paths>...</maximum-paths>
          <maximum-prefixes>...</maximum-prefixes>
          <multipath>...</multipath>
          <rib-groups>...</rib-groups>
          <route-record/>
          <router-id>router-id</router-id>
          <route-distinguisher-id>route-distinguisher-id</route-distinguisher-id>
          <autonomous-system>...</autonomous-system>
          <confederation>...</confederation>
          <forwarding-table>...</forwarding-table>
          <resolution>...</resolution>
          <multicast>...</multicast>
          <instance-import>...</instance-import>
          <instance-export>...</instance-export>
          <auto-export>...</auto-export>
          <dynamic-tunnels>...</dynamic-tunnels>
          <flow>...</flow>
          <topologies>...</topologies>
          <fate-sharing>...</fate-sharing>
        </routing-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Protocol-independent routing option configuration.

**Contents** <aggregate>—Coalesced routes.

<auto-export>—Export routes between routing instances.

<autonomous-system>—Autonomous system number.

<bgp-orf-cisco-mode>—Using BGP ORF capability code 130 and Prefix ORF type 128.

<confederation>—Confederation autonomous system number.

<dynamic-tunnels>—Dynamic tunnel definitions.

<fate-sharing>—Fate-sharing links or nodes database.

<flow>—Locally defined flow routing information.

<forwarding-table>—No documentation is available yet.

<generate>—Route of last resort.

<graceful-restart>—Graceful or hitless routing restart options.

<instance-export>—Export policy for instance RIBs.

<instance-import>—Import policy for instance RIBs.

<interface-routes>—Define routing table groups for interface routes.

<martians>—Invalid routes.

<maximum-paths>—Maximum number of paths.

<maximum-prefixes>—Maximum number of prefixes.

<med-igp-update-interval>—Delay (in minutes) in updating MED IGP for bgp groups with 'delay-med-update' .

<multicast>—Global multicast options.

<multipath>—Protocol-independent load balancing.

<nonstop-routing>—Enable nonstop routing.

<options>—Miscellaneous options.

<ppm>—Set periodic packet management properties.

<resolution>—Route next-hop resolution options.

<rib>—Routing table options.

<rib-groups>—Group of routing tables.

<route-distinguisher-id>—Identifier used in route distinguishers for routing instances.

<route-record>—Enable route recording.

<router-id>—Router identifier.

<source-routing>—Source-routing options.

<static>—Static routes.

<topologies>—Define routing topologies.

<traceoptions>—Global routing protocol trace options.

**<routing-options> (configuration/routing-instances/instance)**

**Usage** <configuration>  
 <routing-instances>  
 <instance>  
 <routing-options>  
 <med-igp-update-interval>*med-igp-update-interval*</med-igp-update-interval>  
 <bgp-orf-cisco-mode/>  
 <ppm>...</ppm>  
 <source-routing>...</source-routing>  
 <traceoptions>...</traceoptions>  
 <options>...</options>  
 <graceful-restart>...</graceful-restart>  
 <nonstop-routing/>  
 <interface-routes>...</interface-routes>  
 <rib>...</rib>  
 <static>...</static>  
 <martians>...</martians>  
 <aggregate>...</aggregate>  
 <generate>...</generate>  
 <maximum-paths>...</maximum-paths>  
 <maximum-prefixes>...</maximum-prefixes>  
 <multipath>...</multipath>  
 <rib-groups>...</rib-groups>  
 <route-record/>  
 <router-id>*router-id*</router-id>  
 <route-distinguisher-id>*route-distinguisher-id*</route-distinguisher-id>  
 <autonomous-system>...</autonomous-system>  
 <confederation>...</confederation>  
 <forwarding-table>...</forwarding-table>  
 <resolution>...</resolution>  
 <multicast>...</multicast>  
 <instance-import>...</instance-import>  
 <instance-export>...</instance-export>  
 <auto-export>...</auto-export>  
 <dynamic-tunnels>...</dynamic-tunnels>  
 <flow>...</flow>  
 <topologies>...</topologies>  
 <fate-sharing>...</fate-sharing>  
 </routing-options>  
 </instance>  
 </routing-instances>  
 </configuration>

**Description** Protocol-independent routing option configuration.

**Contents** <aggregate>—Coalesced routes.

<auto-export>—Export routes between routing instances.

<autonomous-system>—Autonomous system number.

<bgp-orf-cisco-mode>—Using BGP ORF capability code 130 and Prefix ORF type 128.

<confederation>—Confederation autonomous system number.

<dynamic-tunnels>—Dynamic tunnel definitions.

<fate-sharing>—Fate-sharing links or nodes database.

<flow>—Locally defined flow routing information.

<forwarding-table>—No documentation is available yet.

<generate>—Route of last resort.

<graceful-restart>—Graceful or hitless routing restart options.

<instance-export>—Export policy for instance RIBs.

<instance-import>—Import policy for instance RIBs.

<interface-routes>—Define routing table groups for interface routes.

<martians>—Invalid routes.

<maximum-paths>—Maximum number of paths.

<maximum-prefixes>—Maximum number of prefixes.

<med-igp-update-interval>—Delay (in minutes) in updating MED IGP for bgp groups with 'delay-med-update' .

<multicast>—Global multicast options.

<multipath>—Protocol-independent load balancing.

<nonstop-routing>—Enable nonstop routing.

<options>—Miscellaneous options.

<ppm>—Set periodic packet management properties.

<resolution>—Route next-hop resolution options.

<rib>—Routing table options.

<rib-groups>—Group of routing tables.

<route-distinguisher-id>—Identifier used in route distinguishers for routing instances.

<route-record>—Enable route recording.

<router-id>—Router identifier.

<source-routing>—Source-routing options.



- <static>—Static routes.
- <topologies>—Define routing topologies.
- <traceoptions>—Global routing protocol trace options.

**<routing-socket-proxy> (configuration/system/processes)**

---

**Usage**   <configuration>  
          <system>  
          <processes>  
            **<routing-socket-proxy>**  
              <disable/>  
              <failover>*failover-choice*</failover>  
            **</routing-socket-proxy>**  
          </processes>  
        </system>  
      </configuration>

**Description**   Routing socket proxy process.

- Contents**   <disable>—Disable routing socket proxy process.
- <failover>—How to handle failure of routing socket proxy process.
- alternate-media—On failure, reboot off alternate media.
  - other-routing-engine—On failure, switch mastership to other Routing Engine.

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

---

**Usage** <configuration>  
 <logical-systems>  
 <protocols>  
 <pim>  
 <rp>  
 <bootstrap-priority>*bootstrap-priority*</bootstrap-priority>  
 <bootstrap-import>...</bootstrap-import>  
 <bootstrap-export>...</bootstrap-export>  
 <bootstrap>...</bootstrap>  
 <rp-register-policy>...</rp-register-policy>  
 <dr-register-policy>...</dr-register-policy>  
 <local>...</local>  
 <embedded-rp>...</embedded-rp>  
 <auto-rp>...</auto-rp>  
 <static>...</static>  
 </rp>  
 </pim>  
 </protocols>  
 </logical-systems>  
 </configuration>

**Description** Router's rendezvous point properties.

**Contents** <auto-rp>—Set auto-RP mode (IPv4 only).

<bootstrap>—Bootstrap properties.

<bootstrap-export>—Bootstrap export policy (IPv4 only).

<bootstrap-import>—Bootstrap import policy (IPv4 only).

<bootstrap-priority>—Eligibility to be the bootstrap router (IPv4 only).

<dr-register-policy>—DR policy applied to outgoing register messages.

<embedded-rp>—Set embedded-RP mode (IPv6 only).

<local>—Router's local RP properties.

<rp-register-policy>—RP policy applied to incoming register messages.

<static>—Configure static PIM RPs.

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

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <pim>  
           **<rp>**  
             <bootstrap-priority>*bootstrap-priority*</bootstrap-priority>  
             <bootstrap-import>...</bootstrap-import>  
             <bootstrap-export>...</bootstrap-export>  
             <bootstrap>...</bootstrap>  
             <rp-register-policy>...</rp-register-policy>  
             <dr-register-policy>...</dr-register-policy>  
             <local>...</local>  
             <embedded-rp>...</embedded-rp>  
             <auto-rp>...</auto-rp>  
             <static>...</static>  
           **</rp>**  
           </pim>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
         </configuration>

**Description** Router's rendezvous point properties.

**Contents** <auto-rp>—Set auto-RP mode (IPv4 only).  
               <bootstrap>—Bootstrap properties.  
               <bootstrap-export>—Bootstrap export policy (IPv4 only).  
               <bootstrap-import>—Bootstrap import policy (IPv4 only).  
               <bootstrap-priority>—Eligibility to be the bootstrap router (IPv4 only).  
               <dr-register-policy>—DR policy applied to outgoing register messages.  
               <embedded-rp>—Set embedded-RP mode (IPv6 only).  
               <local>—Router's local RP properties.  
               <rp-register-policy>—RP policy applied to incoming register messages.  
               <static>—Configure static PIM RPs.

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

---

**Usage** <configuration>  
 <protocols>  
 <pim>  
 <rp>  
 <bootstrap-priority>*bootstrap-priority*</bootstrap-priority>  
 <bootstrap-import>...</bootstrap-import>  
 <bootstrap-export>...</bootstrap-export>  
 <bootstrap>...</bootstrap>  
 <rp-register-policy>...</rp-register-policy>  
 <dr-register-policy>...</dr-register-policy>  
 <local>...</local>  
 <embedded-rp>...</embedded-rp>  
 <auto-rp>...</auto-rp>  
 <static>...</static>  
 </rp>  
 </pim>  
 </protocols>  
 </configuration>

**Description** Router's rendezvous point properties.

**Contents** <auto-rp>—Set auto-RP mode (IPv4 only).  
 <bootstrap>—Bootstrap properties.  
 <bootstrap-export>—Bootstrap export policy (IPv4 only).  
 <bootstrap-import>—Bootstrap import policy (IPv4 only).  
 <bootstrap-priority>—Eligibility to be the bootstrap router (IPv4 only).  
 <dr-register-policy>—DR policy applied to outgoing register messages.  
 <embedded-rp>—Set embedded-RP mode (IPv6 only).  
 <local>—Router's local RP properties.  
 <rp-register-policy>—RP policy applied to incoming register messages.  
 <static>—Configure static PIM RPs.

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

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <protocols>  
                 <pim>  
                   **<rp>**  
                     <bootstrap-priority>*bootstrap-priority*</bootstrap-priority>  
                     <bootstrap-import>...</bootstrap-import>  
                     <bootstrap-export>...</bootstrap-export>  
                     <bootstrap>...</bootstrap>  
                     <rp-register-policy>...</rp-register-policy>  
                     <dr-register-policy>...</dr-register-policy>  
                     <local>...</local>  
                     <embedded-rp>...</embedded-rp>  
                     <auto-rp>...</auto-rp>  
                     <static>...</static>  
                   **</rp>**  
                 </pim>  
               </protocols>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** Router's rendezvous point properties.

**Contents** <auto-rp>—Set auto-RP mode (IPv4 only).

<bootstrap>—Bootstrap properties.

<bootstrap-export>—Bootstrap export policy (IPv4 only).

<bootstrap-import>—Bootstrap import policy (IPv4 only).

<bootstrap-priority>—Eligibility to be the bootstrap router (IPv4 only).

<dr-register-policy>—DR policy applied to outgoing register messages.

<embedded-rp>—Set embedded-RP mode (IPv6 only).

<local>—Router's local RP properties.

<rp-register-policy>—RP policy applied to incoming register messages.

<static>—Configure static PIM RPs.

## **<rp-register-policy> (configuration/logical-systems/protocols/pim/rp)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <protocols>  
           <pim>  
           <rp>  
             **<rp-register-policy>**  
               <name>*name*</name>   <!-- identifier -->  
             **</rp-register-policy>**  
           </rp>  
         </pim>  
       </protocols>  
     </logical-systems>  
 </configuration>

**Description**   RP policy applied to incoming register messages.

**Contents**    <name>—RP policy applied to incoming register messages.

## **<rp-register-policy> (configuration/logical-systems/routing-instances/instance/protocols/pim/rp)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <pim>  
           <rp>  
             **<rp-register-policy>**  
               <name>*name*</name>   <!-- identifier -->  
             **</rp-register-policy>**  
           </rp>  
         </pim>  
       </protocols>  
     </instance>  
   </routing-instances>  
</logical-systems>  
</configuration>

**Description**   RP policy applied to incoming register messages.

**Contents**    <name>—RP policy applied to incoming register messages.

**<rp-register-policy> (configuration/protocols/pim/rp)**

---

**Usage** <configuration>  
           <protocols>  
             <pim>  
               <rp>  
                 **<rp-register-policy>**  
                   <name>name</name>   <!-- identifier -->  
                 **</rp-register-policy>**  
               </rp>  
             </pim>  
           </protocols>  
         </configuration>

**Description** RP policy applied to incoming register messages.

**Contents** <name>—RP policy applied to incoming register messages.

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

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <protocols>  
                 <pim>  
                   <rp>  
                     **<rp-register-policy>**  
                       <name>name</name>   <!-- identifier -->  
                     **</rp-register-policy>**  
                   </rp>  
                 </pim>  
               </protocols>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** RP policy applied to incoming register messages.

**Contents** <name>—RP policy applied to incoming register messages.

**<rp-set> (configuration/logical-systems/protocols/pim/rp/local/family/inet/anycast-pim)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <pim>  
          <rp>  
          <local>  
          <family>  
          <inet>  
          <anycast-pim>  
          **<rp-set>**  
          <address>...</address>  
          **</rp-set>**  
          </anycast-pim>  
          </inet>  
          </family>  
          </local>  
          </rp>  
          </pim>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Rendezvous points belonging to anycast RP set.

**Contents**     <address>—IPv4 address of one or more remote anycast RPs.



## **<rp-set> (configuration/logical-systems/protocols/pim/rp/local/family/inet6/anycast-pim)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <pim>
        <rp>
          <local>
            <family>
              <inet6>
                <anycast-pim>
                  <rp-set>
                    <address>...</address>
                  </rp-set>
                </anycast-pim>
              </inet6>
            </family>
          </local>
        </rp>
      </pim>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Rendezvous points belonging to anycast RP set.

**Contents** <address>—IPv6 address of one or more remote anycast RPs.

## **<rp-set> (configuration/logical-systems/routing-instances/instance/protocols/pim/rp/local/family/inet/anycast-pim)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <pim>
            <rp>
              <local>
                <family>
                  <inet>
                    <anycast-pim>
                      <rp-set>
                        <address>...</address>
                      </rp-set>
                    </anycast-pim>
                  </inet>
                </family>
              </local>
            </rp>
          </pim>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Rendezvous points belonging to anycast RP set.

**Contents** <address>—IPv4 address of one or more remote anycast RPs.

## **<rp-set> (configuration/logical-systems/routing-instances/instance/protocols/pim/rp/local/family/inet6/anycast-pim)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <pim>  
           <rp>  
           <local>  
           <family>  
           <inet6>  
           <anycast-pim>  
               **<rp-set>**  
                   <address>...</address>  
               **</rp-set>**  
           </anycast-pim>  
           </inet6>  
           </family>  
           </local>  
           </rp>  
           </pim>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Rendezvous points belonging to anycast RP set.

**Contents**      <address>—IPv6 address of one or more remote anycast RPs.

## **<rp-set> (configuration/protocols/pim/rp/local/family/inet/anycast-pim)**

---

**Usage**

```

<configuration>
  <protocols>
    <pim>
      <rp>
        <local>
          <family>
            <inet>
              <anycast-pim>
                <rp-set>
                  <address>...</address>
                </rp-set>
              </anycast-pim>
            </inet>
          </family>
        </local>
      </rp>
    </pim>
  </protocols>
</configuration>

```

**Description** Rendezvous points belonging to anycast RP set.

**Contents** <address>—IPv4 address of one or more remote anycast RPs.

## **<rp-set> (configuration/protocols/pim/rp/local/family/inet6/anycast-pim)**

---

**Usage**

```

<configuration>
  <protocols>
    <pim>
      <rp>
        <local>
          <family>
            <inet6>
              <anycast-pim>
                <rp-set>
                  <address>...</address>
                </rp-set>
              </anycast-pim>
            </inet6>
          </family>
        </local>
      </rp>
    </pim>
  </protocols>
</configuration>

```

**Description** Rendezvous points belonging to anycast RP set.

**Contents** <address>—IPv6 address of one or more remote anycast RPs.

## **<rp-set> (configuration/routing-instances/instance/protocols/pim/rp/local/family/inet/anycast-pim)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <pim>  
           <rp>  
           <local>  
           <family>  
           <inet>  
           <anycast-pim>  
           **<rp-set>**  
           <address>...</address>  
           **</rp-set>**  
           </anycast-pim>  
           </inet>  
           </family>  
           </local>  
           </rp>  
           </pim>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Rendezvous points belonging to anycast RP set.

**Contents**      <address>—IPv4 address of one or more remote anycast RPs.

## **<rp-set> (configuration/routing-instances/instance/protocols/pim/rp/local/family/inet6/anycast-pim)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <protocols>
        <pim>
          <rp>
            <local>
              <family>
                <inet6>
                  <anycast-pim>
                    <rp-set>
                      <address>...</address>
                    </rp-set>
                  </anycast-pim>
                </inet6>
              </family>
            </local>
          </rp>
        </pim>
      </protocols>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Rendezvous points belonging to anycast RP set.

**Contents** <address>—IPv6 address of one or more remote anycast RPs.

## **<rpc> (configuration/security/idp/custom-attack/attack-type/chain/protocol-binding)**

---

**Usage** <configuration>  
           <security>  
             <idp>  
               <custom-attack>  
                 <attack-type>  
                   <chain>  
                     <protocol-binding>  
                       **<rpc>**  
                         <program-number>*program-number*  
                         </program-number>   <!-- mandatory -->  
                       **</rpc>**  
                     </protocol-binding>  
                   </chain>  
                 </attack-type>  
               </custom-attack>  
             </idp>  
           </security>  
         </configuration>

**Description** Attack is for RPC packets only.

**Contents** <program-number>—RPC Program Number.

## **<rpc> (configuration/security/idp/custom-attack/attack-type/signature/protocol-binding)**

---

**Usage** <configuration>  
           <security>  
             <idp>  
               <custom-attack>  
                 <attack-type>  
                   <signature>  
                     <protocol-binding>  
                       **<rpc>**  
                         <program-number>*program-number*  
                         </program-number>   <!-- mandatory -->  
                       **</rpc>**  
                     </protocol-binding>  
                   </signature>  
                 </attack-type>  
               </custom-attack>  
             </idp>  
           </security>  
         </configuration>

**Description** Attack is for RPC packets only.

**Contents** <program-number>—RPC Program Number.

## **<rpf-check> (configuration/dynamic-profiles/interfaces/ interface/unit/family/inet)**

---

**Usage**

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <unit>
          <family>
            <inet>
              <rpf-check>
                <fail-filter>fail-filter</fail-filter>
                <mode>...</mode>
              </rpf-check>
            </inet>
          </family>
        </unit>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

**Description** Enable reverse-path-forwarding checks on this interface.

**Contents** <fail-filter>—Name of filter applied to packets failing RPF check.

<mode>—Mode for reverse path forwarding.



## **<rpf-check> (configuration/dynamic-profiles/interfaces/interface/unit/family/inet6)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <unit>  
           <family>  
           <inet6>  
           **<rpf-check>**  
             <fail-filter>*fail-filter*</fail-filter>  
             <mode>...</mode>  
           **</rpf-check>**  
           </inet6>  
           </family>  
           </unit>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description** Enable reverse-path-forwarding checks on this interface.

**Contents** <fail-filter>—Name of filter applied to packets failing RPF check.

<mode>—Mode for reverse path forwarding.

## **<rpf-check> (configuration/interfaces/interface/unit/family/inet)**

---

**Usage** <configuration>  
           <interfaces>  
           <interface>  
           <unit>  
           <family>  
           <inet>  
           **<rpf-check>**  
             <fail-filter>*fail-filter*</fail-filter>  
             <mode>...</mode>  
           **</rpf-check>**  
           </inet>  
           </family>  
           </unit>  
           </interface>  
           </interfaces>  
         </configuration>

**Description** Enable reverse-path-forwarding checks on this interface.

**Contents** <fail-filter>—Name of filter applied to packets failing RPF check.

<mode>—Mode for reverse path forwarding.

## <rpf-check> (configuration/interfaces/interface/unit/family/inet6)

---

- Usage** <configuration>  
     <interfaces>  
         <interface>  
             <unit>  
                 <family>  
                     <inet6>  
                         <rpf-check>  
                             <fail-filter>*fail-filter*</fail-filter>  
                             <mode>...</mode>  
                         </rpf-check>  
                     </inet6>  
                 </family>  
             </unit>  
         </interface>  
     </interfaces>  
 </configuration>
- Description** Enable reverse-path-forwarding checks on this interface.
- Contents** <fail-filter>—Name of filter applied to packets failing RPF check.  
     <mode>—Mode for reverse path forwarding.

## <rpf-check> (configuration/logical-systems/interfaces/interface/unit/family/inet)

---

- Usage** <configuration>  
     <logical-systems>  
         <interfaces>  
             <interface>  
                 <unit>  
                     <family>  
                         <inet>  
                             <rpf-check>  
                                 <fail-filter>*fail-filter*</fail-filter>  
                                 <mode>...</mode>  
                             </rpf-check>  
                         </inet>  
                     </family>  
                 </unit>  
             </interface>  
         </logical-systems>  
     </configuration>
- Description** Enable reverse-path-forwarding checks on this interface.
- Contents** <fail-filter>—Name of filter applied to packets failing RPF check.  
     <mode>—Mode for reverse path forwarding.

## **<rpf-check> (configuration/logical-systems/interfaces/interface/unit/family/inet6)**

---

**Usage** <configuration>  
           <logical-systems>  
             <interfaces>  
               <interface>  
                 <unit>  
                   <family>  
                     <inet6>  
                       **<rpf-check>**  
                         <fail-filter>*fail-filter*</fail-filter>  
                         <mode>...</mode>  
                       **</rpf-check>**  
                     </inet6>  
                   </family>  
                 </unit>  
               </interface>  
             </interfaces>  
           </logical-systems>  
         </configuration>

**Description** Enable reverse-path-forwarding checks on this interface.

**Contents** <fail-filter>—Name of filter applied to packets failing RPF check.

<mode>—Mode for reverse path forwarding.

## **<rpf-check-policy> (configuration/logical-systems/routing-instances/instance/routing-options/multicast)**

---

**Usage** <configuration>  
           <logical-systems>  
             <routing-instances>  
               <instance>  
                 <routing-options>  
                   <multicast>  
                     **<rpf-check-policy>**  
                       <name>*name*</name>   <!-- identifier -->  
                     **</rpf-check-policy>**  
                   </multicast>  
                 </routing-options>  
               </instance>  
             </routing-instances>  
           </logical-systems>  
         </configuration>

**Description** Disable RPF check for a source group pair.

**Contents** <name>—Disable RPF check for a source group pair.

## **<rpf-check-policy> (configuration/logical-systems/routing-options/multicast)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-options>  
             <multicast>  
                 **<rpf-check-policy>**  
                     <name>*name*</name>   <!-- identifier -->  
                 **</rpf-check-policy>**  
             </multicast>  
         </routing-options>  
     </logical-systems>  
 </configuration>

**Description** Disable RPF check for a source group pair.

**Contents** <name>—Disable RPF check for a source group pair.

## **<rpf-check-policy> (configuration/routing-instances/instance/routing-options/multicast)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <routing-options>  
                 <multicast>  
                     **<rpf-check-policy>**  
                         <name>*name*</name>   <!-- identifier -->  
                     **</rpf-check-policy>**  
                 </multicast>  
             </routing-options>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Disable RPF check for a source group pair.

**Contents** <name>—Disable RPF check for a source group pair.

**<rpf-check-policy> (configuration/routing-options/multicast)**

---

**Usage** <configuration>  
           <routing-options>  
           <multicast>  
             **<rpf-check-policy>**  
               <name>*name*</name>   <!-- identifier -->  
             **</rpf-check-policy>**  
           </multicast>  
         </routing-options>  
       </configuration>

**Description** Disable RPF check for a source group pair.

**Contents** <name>—Disable RPF check for a source group pair.

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

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <unit>  
             **<rpm>**  
               <client/>  
               <server/>  
               <twamp-server/>  
             **</rpm>**  
           </unit>  
         </interface>  
       </interfaces>  
     </dynamic-profiles>  
 </configuration>

**Description** Enable RPM service on this interface.

**Contents** <client>—Client mode.

<server>—Server mode.

<twamp-server>—Set TWAMP server mode on this interface.

**<rpm> (configuration/interfaces/interface/unit)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;interfaces&gt;     &lt;interface&gt;       &lt;unit&gt;         &lt;rpm&gt;           &lt;client/&gt;           &lt;server/&gt;           &lt;twamp-server/&gt;         &lt;/rpm&gt;       &lt;/unit&gt;     &lt;/interface&gt;   &lt;/interfaces&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Enable RPM service on this interface.
<b>Contents</b>	<p>&lt;client&gt;—Client mode.</p> <p>&lt;server&gt;—Server mode.</p> <p>&lt;twamp-server&gt;—Set TWAMP server mode on this interface.</p>

**<rpm> (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;rpm&gt;             &lt;client/&gt;             &lt;server/&gt;             &lt;twamp-server/&gt;           &lt;/rpm&gt;         &lt;/unit&gt;       &lt;/interface&gt;     &lt;/interfaces&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Enable RPM service on this interface.
<b>Contents</b>	<p>&lt;client&gt;—Client mode.</p> <p>&lt;server&gt;—Server mode.</p> <p>&lt;twamp-server&gt;—Set TWAMP server mode on this interface.</p>

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

---

**Usage**   <configuration>  
           <services>  
             **<rpm>**  
               <bgp>...</bgp>  
               <probe>...</probe>  
               <probe-server>...</probe-server>  
               <probe-limit>*probe-limit*</probe-limit>  
               <twamp>...</twamp>  
             **</rpm>**  
           </services>  
         </configuration>

**Description**   Real-time performance monitoring.

**Contents**   <bgp>—BGP options for real-time performance monitoring.  
               <probe>—TCP/UDP/ICMP ping.  
               <probe-limit>—Maximum number of concurrent probes allowed.  
               <probe-server>—ICMP/TCP/UDP probe server.  
               <twamp>—Two-way Active Measurement Protocol configuration.

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

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <rstp>
        <disable/>
        <bpu-destination-mac-address>bpu-destination-mac-address-choice
          </bpu-destination-mac-address>
        <bridge-priority>bridge-priority</bridge-priority>
        <max-age>seconds</max-age>
        <hello-time>seconds</hello-time>
        <forward-delay>seconds</forward-delay>
        <traceoptions>...</traceoptions>
        <interface>...</interface>
        <extended-system-id>extended-system-id</extended-system-id>
        <force-version>force-version-choice</force-version>
        <bpu-block-on-edge/>
      </rstp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** Rapid Spanning Tree Protocol options.

**Contents**

- <bpu-block-on-edge>—Block BPU on all interfaces configured as edge (BPU Protect).
- <bpu-destination-mac-address>—Destination MAC address in the spanning tree BPUs.
- provider-bridge-group—802.1ad provider bridge group address.
- <bridge-priority>—Priority of the bridge (in increments of 4k - 0,4k,8k,...60k).
- <disable>—Disable STP.
- <extended-system-id>—Extended system identifier.
- <force-version>—Force protocol version.
- stp—Spanning tree protocol.
- <forward-delay>—Time spent in listening or learning state.
- <hello-time>—Time interval between configuration BPUs.
- <interface>—Interface options.
- <max-age>—Maximum age of received protocol bpu.
- <traceoptions>—Tracing options for debugging protocol operation.



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

---

**Usage** <configuration>  
 <logical-systems>  
 <routing-instances>  
 <instance>  
 <protocols>  
**<rstp>**  
 <disable/>  
 <bpdu-destination-mac-address>*bpdu-destination-mac-address-choice*  
 </bpdu-destination-mac-address>  
 <bridge-priority>*bridge-priority*</bridge-priority>  
 <max-age>*seconds*</max-age>  
 <hello-time>*seconds*</hello-time>  
 <forward-delay>*seconds*</forward-delay>  
 <traceoptions>...</traceoptions>  
 <interface>...</interface>  
 <extended-system-id>*extended-system-id*</extended-system-id>  
 <force-version>*force-version-choice*</force-version>  
 <bpdu-block-on-edge/>  
**</rstp>**  
 </protocols>  
 </instance>  
 </routing-instances>  
 </logical-systems>  
 </configuration>

**Description** RSTP configuration.

**Contents** <bpdu-block-on-edge>—Block BPDU on all interfaces configured as edge (BPDU Protect).

<bpdu-destination-mac-address>—Destination MAC address in the spanning tree BPDUs.

■ *provider-bridge-group*—802.1ad provider bridge group address.

<bridge-priority>—Priority of the bridge (in increments of 4k - 0,4k,8k,...60k).

<disable>—Disable STP.

<extended-system-id>—Extended system identifier.

<force-version>—Force protocol version.

■ *stp*—Spanning tree protocol.

<forward-delay>—Time spent in listening or learning state.

<hello-time>—Time interval between configuration BPDUs.

<interface>—Interface options.

<max-age>—Maximum age of received protocol bpdu.

<traceoptions>—Tracing options for debugging protocol operation.

## <rstp> (configuration/protocols)

---

**Usage** <configuration>  
 <protocols>  
 <rstp>  
 <disable/>  
 <bpd-destination-mac-address>*bpd-destination-mac-address-choice*  
 </bpd-destination-mac-address>  
 <bridge-priority>*bridge-priority*</bridge-priority>  
 <max-age>*seconds*</max-age>  
 <hello-time>*seconds*</hello-time>  
 <forward-delay>*seconds*</forward-delay>  
 <traceoptions>...</traceoptions>  
 <interface>...</interface>  
 <extended-system-id>*extended-system-id*</extended-system-id>  
 <force-version>*force-version-choice*</force-version>  
 <bpd-block-on-edge/>  
 </rstp>  
 </protocols>  
 </configuration>

**Description** Rapid Spanning Tree Protocol options.

**Contents** <bpd-block-on-edge>—Block BPD on all interfaces configured as edge (BPD Protect).

<bpd-destination-mac-address>—Destination MAC address in the spanning tree BPDs.

■ **provider-bridge-group**—802.1ad provider bridge group address.

<bridge-priority>—Priority of the bridge (in increments of 4k - 0,4k,8k,..60k).

<disable>—Disable STP.

<extended-system-id>—Extended system identifier.

<force-version>—Force protocol version.

■ **stp**—Spanning tree protocol.

<forward-delay>—Time spent in listening or learning state.

<hello-time>—Time interval between configuration BPDs.

<interface>—Interface options.

<max-age>—Maximum age of received protocol bpd.

<traceoptions>—Tracing options for debugging protocol operation.

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

**Usage** <configuration>  
 <routing-instances>  
 <instance>  
 <protocols>  
**<rstp>**  
 <disable/>  
 <bpdu-destination-mac-address>*bpdu-destination-mac-address-choice*  
 </bpdu-destination-mac-address>  
 <bridge-priority>*bridge-priority*</bridge-priority>  
 <max-age>*seconds*</max-age>  
 <hello-time>*seconds*</hello-time>  
 <forward-delay>*seconds*</forward-delay>  
 <traceoptions>...</traceoptions>  
 <interface>...</interface>  
 <extended-system-id>*extended-system-id*</extended-system-id>  
 <force-version>*force-version-choice*</force-version>  
 <bpdu-block-on-edge/>  
**</rstp>**  
 </protocols>  
 </instance>  
 </routing-instances>  
 </configuration>

**Description** RSTP configuration.

**Contents** <bpdu-block-on-edge>—Block BPDU on all interfaces configured as edge (BPDU Protect).

<bpdu-destination-mac-address>—Destination MAC address in the spanning tree BPDUs.

■ *provider-bridge-group*—802.1ad provider bridge group address.

<bridge-priority>—Priority of the bridge (in increments of 4k - 0,4k,8k,...60k).

<disable>—Disable STP.

<extended-system-id>—Extended system identifier.

<force-version>—Force protocol version.

■ *stp*—Spanning tree protocol.

<forward-delay>—Time spent in listening or learning state.

<hello-time>—Time interval between configuration BPDUs.

<interface>—Interface options.

<max-age>—Maximum age of received protocol bpdu.

<traceoptions>—Tracing options for debugging protocol operation.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <protocols>
      <rsvp>
        <disable/>
        <graceful-restart>...</graceful-restart>
        <tunnel-services>...</tunnel-services>
        <no-p2mp-sublsp/>
        <no-node-id-subobject/>
        <fast-reroute>...</fast-reroute>
        <load-balance>...</load-balance>
        <traceoptions>...</traceoptions>
        <refresh-time>refresh-time</refresh-time>
        <keep-multiplier>keep-multiplier</keep-multiplier>
        <graceful-deletion-timeout>seconds</graceful-deletion-timeout>
        <preemption>...</preemption>
        <interface>...</interface>
        <peer-interface>...</peer-interface>
      </rsvp>
    </protocols>
  </logical-systems>
</configuration>

```

**Description** RSVP options.

**Contents** <disable>—Disable RSVP.

<fast-reroute>—One-to-one fast-reroute protection mechanism.

<graceful-deletion-timeout>—Time to complete graceful deletion signaling.

<graceful-restart>—Configure graceful restart attributes.

<interface>—RSVP interface options.

<keep-multiplier>—Keep multiplier.

<load-balance>—Per-packet load-balancing algorithm.

<no-node-id-subobject>—Do not include the node-id sub-object in the RRO.

<no-p2mp-sublsp>—Disable P2MP sub-LSP object generation.

<peer-interface>—Configuration for peer interface.

<preemption>—Set RSVP session preemption attributes.

<refresh-time>—Refresh time.

<traceoptions>—Trace options for RSVP.

<tunnel-services>—Use tunnel services for P2MP LSP ultimate-hop popping.

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

---

**Usage**   <configuration>  
           <logical-systems>  
           <protocols>  
           <mpls>  
           <path-mtu>  
           **<rsvp>**  
           <mtu-signaling/>  
           **</rsvp>**  
           </path-mtu>  
           </mpls>  
           </protocols>  
           </logical-systems>  
           </configuration>

**Description**   RSVP-specific path MTU options.

**Contents**   <mtu-signaling>—Enable RSVP path MTU signaling.

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

---

**Usage** <configuration>  
 <protocols>  
   **<rsvp>**  
     <disable/>  
     <graceful-restart>...</graceful-restart>  
     <tunnel-services>...</tunnel-services>  
     <no-p2mp-sublsp/>  
     <no-node-id-subobject/>  
     <fast-reroute>...</fast-reroute>  
     <load-balance>...</load-balance>  
     <traceoptions>...</traceoptions>  
     <refresh-time>*refresh-time*</refresh-time>  
     <keep-multiplier>*keep-multiplier*</keep-multiplier>  
     <graceful-deletion-timeout>*seconds*</graceful-deletion-timeout>  
     <preemption>...</preemption>  
     <interface>...</interface>  
     <peer-interface>...</peer-interface>  
   **</rsvp>**  
 </protocols>  
</configuration>

**Description** RSVP options.

**Contents** <disable>—Disable RSVP.

<fast-reroute>—One-to-one fast-reroute protection mechanism.

<graceful-deletion-timeout>—Time to complete graceful deletion signaling.

<graceful-restart>—Configure graceful restart attributes.

<interface>—RSVP interface options.

<keep-multiplier>—Keep multiplier.

<load-balance>—Per-packet load-balancing algorithm.

<no-node-id-subobject>—Do not include the node-id sub-object in the RRO.

<no-p2mp-sublsp>—Disable P2MP sub-LSP object generation.

<peer-interface>—Configuration for peer interface.

<preemption>—Set RSVP session preemption attributes.

<refresh-time>—Refresh time.

<traceoptions>—Trace options for RSVP.

<tunnel-services>—Use tunnel services for P2MP LSP ultimate-hop popping.

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

---

**Usage** <configuration>  
           <protocols>  
             <mpls>  
               <path-mtu>  
                 **<rsvp>**  
                   <mtu-signaling/>  
                 **</rsvp>**  
               </path-mtu>  
             </mpls>  
           </protocols>  
         </configuration>

**Description** RSVP-specific path MTU options.

**Contents** <mtu-signaling>—Enable RSVP path MTU signaling.

**<rsvp-te> (configuration/logical-systems/routing-instances/instance/provider-tunnel)**

---

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

**Description** RSVP-TE point-to-multipoint LSP for flooding.

**Contents** <label-switched-path-template>—Template for dynamic point-to-multipoint LSP parameters.

<static-lsp>—Name of point-to-multipoint LSP.

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

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <provider-tunnel>  
                     <selective>  
                         <group>  
                             <source>  
                                 **<rsvp-te>**  
                                     <static-lsp>*static-lsp*</static-lsp>  
                                     <label-switched-path-template>...</label-switched-path-template>  
                                 **</rsvp-te>**  
                             </source>  
                         </group>  
                     </selective>  
                 </provider-tunnel>  
     </instance>  
     </routing-instances>  
     </logical-systems>  
 </configuration>

**Description** RSVP-TE point-to-multipoint LSP for flooding.

**Contents** <label-switched-path-template>—Template for dynamic point-to-multipoint LSP parameters.

<static-lsp>—Name of point-to-multipoint LSP.

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

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <provider-tunnel>  
                 **<rsvp-te>**  
                     <static-lsp>*static-lsp*</static-lsp>  
                     <label-switched-path-template>...</label-switched-path-template>  
                 **</rsvp-te>**  
     </provider-tunnel>  
     </instance>  
     </routing-instances>  
 </configuration>

**Description** RSVP-TE point-to-multipoint LSP for flooding.

**Contents** <label-switched-path-template>—Template for dynamic point-to-multipoint LSP parameters.

<static-lsp>—Name of point-to-multipoint LSP.



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

---

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

**Description**   RSVP-TE point-to-multipoint LSP for flooding.

**Contents**   <label-switched-path-template>—Template for dynamic point-to-multipoint LSP parameters.

          <static-lsp>—Name of point-to-multipoint LSP.

## **<rtcp> (configuration/services/pgcp/gateway/h248-properties/traffic-management/max-burst-size)**

---

**Usage**   <configuration>  
           <services>  
           <pgcp>  
           <gateway>  
           <h248-properties>  
           <traffic-management>  
           <max-burst-size>  
           **<rtcp>**  
             <percentage>*percent*</percentage>  
             <fixed-value>*bytes-per-second*</fixed-value>  
           **</rtcp>**  
           </max-burst-size>  
           </traffic-management>  
           </h248-properties>  
           </gateway>  
           </pgcp>  
           </services>  
         </configuration>

**Description**   Default rtcp rate.

**Contents**   <fixed-value>—Value entered is a fixed one.

                <percentage>—Value entered is percentage of RTP's parallel value.

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

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;services&gt;     &lt;pgcp&gt;       &lt;gateway&gt;         &lt;h248-properties&gt;           &lt;traffic-management&gt;             &lt;peak-data-rate&gt;               <b>&lt;rtcp&gt;</b>                 &lt;percentage&gt;percent&lt;/percentage&gt;                 &lt;fixed-value&gt;bytes-per-second&lt;/fixed-value&gt;               <b>&lt;/rtcp&gt;</b>             &lt;/peak-data-rate&gt;           &lt;/traffic-management&gt;         &lt;/h248-properties&gt;       &lt;/gateway&gt;     &lt;/pgcp&gt;   &lt;/services&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Default rtcp rate.
<b>Contents</b>	<p>&lt;fixed-value&gt;—Value entered is a fixed one.</p> <p>&lt;percentage&gt;—Value entered is percentage of RTP's parallel value.</p>

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

---

**Usage**   <configuration>  
          <services>  
          <pgcp>  
          <gateway>  
          <h248-properties>  
          <traffic-management>  
          <sustained-data-rate>  
          **<rtcp>**  
            <percentage>*percent*</percentage>  
            <fixed-value>*bytes-per-second*</fixed-value>  
          **</rtcp>**  
          </sustained-data-rate>  
          </traffic-management>  
          </h248-properties>  
          </gateway>  
          </pgcp>  
          </services>  
          </configuration>

**Description**   Default rtcp rate.

**Contents**   <fixed-value>—Value entered is a fixed one.

          <percentage>—Value entered is percentage of RTP's parallel value.

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

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <unit>  
           <compression>  
           **<rtp>**  
             <f-max-period>*f-max-period*</f-max-period>  
             <queues>...</queues>  
             <port>...</port>  
             <maximum-contexts>...</maximum-contexts>  
           **</rtp>**  
           </compression>  
           </unit>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description**   Compress and decompress RTP.

**Contents**   <f-max-period>—Maximum number of compressed packets between transmission of full headers.

              <maximum-contexts>—Maximum number of simultaneous RTP contexts.

              <port>—UDP destination ports reserved for RTP packets.

              <queues>—Queue holding RTP packets. Default is queue 1.

**<rtp> (configuration/interfaces/interface/unit/compression)**

---

**Usage**   <configuration>  
           <interfaces>  
           <interface>  
           <unit>  
           <compression>  
           **<rtp>**  
             <f-max-period>*f-max-period*</f-max-period>  
             <queues>...</queues>  
             <port>...</port>  
             <maximum-contexts>...</maximum-contexts>  
           **</rtp>**  
           </compression>  
           </unit>  
           </interface>  
           </interfaces>  
         </configuration>

**Description**   Compress and decompress RTP.

**Contents**   <f-max-period>—Maximum number of compressed packets between transmission of full headers.

              <maximum-contexts>—Maximum number of simultaneous RTP contexts.

              <port>—UDP destination ports reserved for RTP packets.

              <queues>—Queue holding RTP packets. Default is queue 1.

## **<rtp> (configuration/logical-systems/interfaces/interface/unit/compression)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <interfaces>  
           <interface>  
           <unit>  
           <compression>  
           **<rtp>**  
             <f-max-period>*f-max-period*</f-max-period>  
             <queues>...</queues>  
             <port>...</port>  
             <maximum-contexts>...</maximum-contexts>  
           **</rtp>**  
           </compression>  
           </unit>  
           </interface>  
           </interfaces>  
           </logical-systems>  
         </configuration>

**Description**   Compress and decompress RTP.

**Contents**   <f-max-period>—Maximum number of compressed packets between transmission of full headers.

              <maximum-contexts>—Maximum number of simultaneous RTP contexts.

              <port>—UDP destination ports reserved for RTP packets.

              <queues>—Queue holding RTP packets. Default is queue 1.

## **<rtsp> (configuration/services/ggsn/service-identification/rtsp-rule/term/from)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <service-identification>  
                 <rtsp-rule>  
                     <term>  
                         <from>  
                             **<rtsp>**  
                                 <uri>...</uri>  
                             **</rtsp>**  
                         </from>  
                     </term>  
                 </rtsp-rule>  
     </service-identification>  
     </ggsn>  
     </services>  
 </configuration>

**Description** Match RTSP sessions.

**Contents** <uri>—URI settings.

## **<rtsp-rule> (configuration/services/ggsn/service-identification)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <service-identification>  
                 **<rtsp-rule>**  
                     <name>name</name>   <!-- identifier -->  
                     <term>...</term>   <!-- mandatory -->  
                 **</rtsp-rule>**  
     </service-identification>  
     </ggsn>  
     </services>  
 </configuration>

**Description** RTSP rule.

**Contents** <name>—Rule name.

    <term>—Define a service identification term.



## **<rtsp-rule-set> (configuration/services/ggsn/service-identification)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;service-identification&gt;         &lt;rtsp-rule-set&gt;           &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;           &lt;rule&gt;...&lt;/rule&gt;         &lt;/rtsp-rule-set&gt;       &lt;/service-identification&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Define a set of RTSP rules.
<b>Contents</b>	<p>&lt;name&gt;—Name of the rule set.</p> <p>&lt;rule&gt;—Rule to be included in this rule set.</p>

## **<rtvbr> (configuration/dynamic-profiles/interfaces/interface/atm-options/vpi/shaping)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;dynamic-profiles&gt;     &lt;interfaces&gt;       &lt;interface&gt;         &lt;atm-options&gt;           &lt;vpi&gt;             &lt;shaping&gt;               &lt;rtvbr&gt;                 &lt;peak&gt;peak&lt;/peak&gt;    &lt;!-- mandatory --&gt;                 &lt;sustained&gt;sustained&lt;/sustained&gt;    &lt;!-- mandatory --&gt;                 &lt;burst&gt;burst&lt;/burst&gt;    &lt;!-- mandatory --&gt;               &lt;/rtvbr&gt;             &lt;/shaping&gt;           &lt;/vpi&gt;         &lt;/atm-options&gt;       &lt;/interface&gt;     &lt;/interfaces&gt;   &lt;/dynamic-profiles&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	ATM2 real-time variable bandwidth utilization.
<b>Contents</b>	<p>&lt;burst&gt;—Burst size.</p> <p>&lt;peak&gt;—Peak rate.</p> <p>&lt;sustained&gt;—Sustained rate.</p>

## **<rtvbr> (configuration/dynamic-profiles/interfaces/interface/unit/family/inet/address/multipoint-destination/shaping)**

---

**Usage**

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <unit>
          <family>
            <inet>
              <address>
                <multipoint-destination>
                  <shaping>
                    <rtvbr>
                      <peak>peak</peak>    <!-- mandatory -->
                      <sustained>sustained</sustained>    <!-- mandatory -->
                      <burst>burst</burst>    <!-- mandatory -->
                    </rtvbr>
                  </shaping>
                </multipoint-destination>
              </address>
            </inet>
          </family>
        </unit>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

**Description** ATM2 real-time variable bandwidth utilization.

**Contents**

- <burst>—Burst size.
- <peak>—Peak rate.
- <sustained>—Sustained rate.

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

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <unit>  
           <shaping>  
           **<rtvbr>**  
             <peak>*peak*</peak>   <!-- mandatory -->  
             <sustained>*sustained*</sustained>   <!-- mandatory -->  
             <burst>*burst*</burst>   <!-- mandatory -->  
           **</rtvbr>**  
           </shaping>  
           </unit>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description**   ATM2 real-time variable bandwidth utilization.

**Contents**   <burst>—Burst size.  
               <peak>—Peak rate.  
               <sustained>—Sustained rate.

## **<rtvbr> (configuration/interfaces/interface/atm-options/vpi/shaping)**

---

**Usage**   <configuration>  
          <interfaces>  
          <interface>  
          <atm-options>  
          <vpi>  
          <shaping>  
          **<rtvbr>**  
            <peak>*peak*</peak>   <!-- mandatory -->  
            <sustained>*sustained*</sustained>   <!-- mandatory -->  
            <burst>*burst*</burst>   <!-- mandatory -->  
          **</rtvbr>**  
          </shaping>  
          </vpi>  
          </atm-options>  
          </interface>  
          </interfaces>  
          </configuration>

**Description**   ATM2 real-time variable bandwidth utilization.

**Contents**   <burst>—Burst size.  
  
              <peak>—Peak rate.  
  
              <sustained>—Sustained rate.

## **<rtvbr> (configuration/interfaces/interface/unit/family/inet/address/multipoint-destination/shaping)**

---

**Usage**   <configuration>  
           <interfaces>  
           <interface>  
           <unit>  
           <family>  
           <inet>  
           <address>  
           <multipoint-destination>  
           <shaping>  
           **<rtvbr>**  
               <peak>*peak*</peak>   <!-- mandatory -->  
               <sustained>*sustained*</sustained>   <!-- mandatory -->  
               <burst>*burst*</burst>   <!-- mandatory -->  
           **</rtvbr>**  
           </shaping>  
           </multipoint-destination>  
           </address>  
           </inet>  
           </family>  
           </unit>  
           </interface>  
           </interfaces>  
           </configuration>

**Description**   ATM2 real-time variable bandwidth utilization.

**Contents**   <burst>—Burst size.  
               <peak>—Peak rate.  
               <sustained>—Sustained rate.

**<rtvbr> (configuration/interfaces/interface/unit/shaping)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <unit>  
                 <shaping>  
                   **<rtvbr>**  
                     <peak>*peak*</peak>   <!-- mandatory -->  
                     <sustained>*sustained*</sustained>   <!-- mandatory -->  
                     <burst>*burst*</burst>   <!-- mandatory -->  
                   **</rtvbr>**  
                 </shaping>  
               </unit>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** ATM2 real-time variable bandwidth utilization.

**Contents** <burst>—Burst size.  
             <peak>—Peak rate.  
             <sustained>—Sustained rate.

## **<rtvbr> (configuration/logical-systems/interfaces/interface/unit/family/inet/address/multipoint-destination/shaping)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <interfaces>  
           <interface>  
           <unit>  
           <family>  
           <inet>  
           <address>  
           <multipoint-destination>  
           <shaping>  
           **<rtvbr>**  
             <peak>*peak*</peak>   <!-- mandatory -->  
             <sustained>*sustained*</sustained>   <!-- mandatory -->  
             <burst>*burst*</burst>   <!-- mandatory -->  
           **</rtvbr>**  
           </shaping>  
           </multipoint-destination>  
           </address>  
           </inet>  
           </family>  
           </unit>  
           </interface>  
           </interfaces>  
           </logical-systems>  
           </configuration>

**Description**   ATM2 real-time variable bandwidth utilization.

**Contents**   <burst>—Burst size.  
               <peak>—Peak rate.  
               <sustained>—Sustained rate.

## **<rtvbr> (configuration/logical-systems/interfaces/interface/unit/shaping)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <interfaces>  
          <interface>  
          <unit>  
          <shaping>  
          **<rtvbr>**  
            <peak>*peak*</peak>   <!-- mandatory -->  
            <sustained>*sustained*</sustained>   <!-- mandatory -->  
            <burst>*burst*</burst>   <!-- mandatory -->  
          **</rtvbr>**  
          </shaping>  
          </unit>  
          </interface>  
          </interfaces>  
          </logical-systems>  
          </configuration>

**Description**   ATM2 real-time variable bandwidth utilization.

**Contents**   <burst>—Burst size.  
  
              <peak>—Peak rate.  
  
              <sustained>—Sustained rate.



**<rule> (configuration/security/idp/idp-policy/rulebase-exempt)**

---

**Usage** <configuration>  
           <security>  
             <idp>  
               <idp-policy>  
                 <rulebase-exempt>  
                   <rule>  
                     <name>*name*</name>   <!-- identifier -->  
                     <description>*description*</description>  
                     <match>...</match>   <!-- mandatory -->  
                   </rule>  
                 </rulebase-exempt>  
               </idp-policy>  
             </idp>  
           </security>  
         </configuration>

**Description** Configure exempt rule.

**Contents** <description>—Rule description.

<match>—Rule match criteria.

<name>—Rule name.

**<rule> (configuration/security/idp/idp-policy/rulebase-ips)**

---

**Usage** <configuration>  
           <security>  
             <idp>  
               <idp-policy>  
                 <rulebase-ips>  
                   **<rule>**  
                     <name>*name*</name>   <!-- identifier -->  
                     <description>*description*</description>  
                     <match>...</match>   <!-- mandatory -->  
                     <then>...</then>   <!-- mandatory -->  
                     <terminal/>  
                   **</rule>**  
                 </rulebase-ips>  
               </idp-policy>  
             </idp>  
           </security>  
         </configuration>

**Description** Configure IPS rule.

**Contents** <description>—Rule description.

<match>—Rule match criteria.

<name>—Rule name.

<terminal>—Set/Unset terminal flag.

<then>—No documentation is available yet.

**<rule> (configuration/services/acl)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;acl&gt;       &lt;rule&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;match-direction&gt;match-direction-choice           &lt;/match-direction&gt;  &lt;!-- mandatory --&gt;         &lt;term&gt;...&lt;/term&gt;    &lt;!-- mandatory --&gt;       &lt;/rule&gt;     &lt;/acl&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	One or more ACL rules.
<b>Contents</b>	<p>&lt;match-direction&gt;—Direction for which the rule match is applied.</p> <ul style="list-style-type: none"> <li>■ input—Match on input to interface.</li> <li>■ input-output—Match on input to or output from interface.</li> <li>■ output—Match on output from interface.</li> </ul> <p>&lt;name&gt;—Rule name.</p> <p>&lt;term&gt;—One or more terms in ACL rule.</p>

**<rule> (configuration/services/acl/rule-set)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;acl&gt;       &lt;rule-set&gt;         &lt;rule&gt;           &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;/rule&gt;       &lt;/rule-set&gt;     &lt;/acl&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Rule to be included in this rule set.
<b>Contents</b>	<name>—Rule name.

**<rule> (configuration/services/application-identification)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;application-identification&gt;       &lt;rule&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;application-name&gt;application-name&lt;/application-name&gt;    &lt;!-- mandatory --&gt;         &lt;address&gt;...&lt;/address&gt;    &lt;!-- mandatory --&gt;       &lt;/rule&gt;     &lt;/application-identification&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	One or more application rules for address-based method AI.
<b>Contents</b>	<p>&lt;address&gt;—Configure one of more addresses.</p> <p>&lt;application-name&gt;—Name of application that is target of this rule.</p> <p>&lt;name&gt;—Rule name.</p>

**<rule> (configuration/services/application-identification/rule-set)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;application-identification&gt;       &lt;rule-set&gt;         &lt;rule&gt;           &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;/rule&gt;       &lt;/rule-set&gt;     &lt;/application-identification&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Rule to be included in this rule set.
<b>Contents</b>	<name>—Rule name.

**<rule> (configuration/services/cos)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;cos&gt;       &lt;rule&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;match-direction&gt;match-direction-choice           &lt;/match-direction&gt;  &lt;!-- mandatory --&gt;         &lt;term&gt;...&lt;/term&gt;    &lt;!-- mandatory --&gt;       &lt;/rule&gt;     &lt;/cos&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	One or more CoS rules.
<b>Contents</b>	<p>&lt;match-direction&gt;—Direction for which the rule match is applied.</p> <ul style="list-style-type: none"> <li>■ input—Match on input to interface.</li> <li>■ input-output—Match on input to or output from interface.</li> <li>■ output—Match on output from interface.</li> </ul> <p>&lt;name&gt;—Rule name.</p> <p>&lt;term&gt;—One or more terms in CoS rule.</p>

**<rule> (configuration/services/cos/rule-set)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;cos&gt;       &lt;rule-set&gt;         &lt;rule&gt;           &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;/rule&gt;       &lt;/rule-set&gt;     &lt;/cos&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Rule to be included in this rule set.
<b>Contents</b>	<name>—Rule name.

## **<rule> (configuration/services/ggsn/service-identification/dns-rule-set)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <service-identification>  
           <dns-rule-set>  
           **<rule>**  
             <name>name</name>   <!-- identifier -->  
           **</rule>**  
           </dns-rule-set>  
           </service-identification>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Rule to be included in this rule set.

**Contents**    <name>—Rule name.

## **<rule> (configuration/services/ggsn/service-identification/ftp-rule-set)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <service-identification>  
           <ftp-rule-set>  
           **<rule>**  
             <name>name</name>   <!-- identifier -->  
           **</rule>**  
           </ftp-rule-set>  
           </service-identification>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Rule to be included in this rule set.

**Contents**    <name>—Rule name.

## **<rule> (configuration/services/ggsn/service-identification/header-rule-set)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <service-identification>  
           <header-rule-set>  
           **<rule>**  
             <name>*name*</name>   <!-- identifier -->  
           **</rule>**  
           </header-rule-set>  
           </service-identification>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Rule to be included in this rule set.

**Contents**    <name>—Rule name.

## **<rule> (configuration/services/ggsn/service-identification/heuristic-rule-set)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <service-identification>  
           <heuristic-rule-set>  
           **<rule>**  
             <name>*name*</name>   <!-- identifier -->  
           **</rule>**  
           </heuristic-rule-set>  
           </service-identification>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Rule to be included in this rule set.

**Contents**    <name>—Rule name.

## **<rule> (configuration/services/ggsn/service-identification/http-wsp-rule-set)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <service-identification>  
           <http-wsp-rule-set>  
           **<rule>**  
             <name>*name*</name>   <!-- identifier -->  
           **</rule>**  
           </http-wsp-rule-set>  
           </service-identification>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Rule to be included in this rule set.

**Contents**    <name>—Rule name.

## **<rule> (configuration/services/ggsn/service-identification/msn-rule-set)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <service-identification>  
           <msn-rule-set>  
           **<rule>**  
             <name>*name*</name>   <!-- identifier -->  
           **</rule>**  
           </msn-rule-set>  
           </service-identification>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Rule to be included in this rule set.

**Contents**    <name>—Rule name.



## **<rule> (configuration/services/ggsn/service-identification/pop3-rule-set)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <service-identification>  
                 <pop3-rule-set>  
                     <rule>  
                         <name>name</name>   <!-- identifier -->  
                     </rule>  
                 </pop3-rule-set>  
             </service-identification>  
         </ggsn>  
     </services>  
 </configuration>

**Description** Rule to be included in this rule set.

**Contents** <name>—Rule name.

## **<rule> (configuration/services/ggsn/service-identification/rtsp-rule-set)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <service-identification>  
                 <rtsp-rule-set>  
                     <rule>  
                         <name>name</name>   <!-- identifier -->  
                     </rule>  
                 </rtsp-rule-set>  
             </service-identification>  
         </ggsn>  
     </services>  
 </configuration>

**Description** Rule to be included in this rule set.

**Contents** <name>—Rule name.

## **<rule> (configuration/services/ggsn/service-identification/sip-rule-set)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <service-identification>  
           <sip-rule-set>  
           **<rule>**  
             <name>*name*</name>   <!-- identifier -->  
           **</rule>**  
           </sip-rule-set>  
           </service-identification>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Rule to be included in this rule set.

**Contents**    <name>—Rule name.

## **<rule> (configuration/services/ggsn/service-identification/smtp-rule-set)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <service-identification>  
           <smtp-rule-set>  
           **<rule>**  
             <name>*name*</name>   <!-- identifier -->  
           **</rule>**  
           </smtp-rule-set>  
           </service-identification>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Rule to be included in this rule set.

**Contents**    <name>—Rule name.

## **<rule> (configuration/services/ggsn/service-identification/tftp-rule-set)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <service-identification>  
                 <tftp-rule-set>  
                     <rule>  
                         <name>name</name>   <!-- identifier -->  
                     </rule>  
                 </tftp-rule-set>  
             </service-identification>  
         </ggsn>  
     </services>  
 </configuration>

**Description** Rule to be included in this rule set.

**Contents** <name>—Rule name.

## **<rule> (configuration/services/ids)**

---

**Usage** <configuration>  
     <services>  
         <ids>  
             <rule>  
                 <name>name</name>   <!-- identifier -->  
                 <match-direction>match-direction-choice  
                     </match-direction>   <!-- mandatory -->  
                 <term>...</term>   <!-- mandatory -->  
             </rule>  
         </ids>  
     </services>  
 </configuration>

**Description** Define an IDS rule.

**Contents** <match-direction>—Direction for which the rule match is applied.

- input—Match on input to interface.
- input-output—Match on input to and output from interface.
- output—Match on output from interface.

<name>—Rule name.

<term>—Define an IDS term.

**<rule> (configuration/services/ids/rule-set)**

---

**Usage** <configuration>  
           <services>  
             <ids>  
               <rule-set>  
                 <rule>  
                   <name>name</name>   <!-- identifier -->  
                 </rule>  
               </rule-set>  
             </ids>  
           </services>  
         </configuration>

**Description** Rule to be included in this rule set.

**Contents** <name>—Rule name.

**<rule> (configuration/services/ipsec-vpn)**

---

**Usage** <configuration>  
           <services>  
             <ipsec-vpn>  
               <rule>  
                 <name>name</name>   <!-- identifier -->  
                 <term>...</term>   <!-- mandatory -->  
                 <match-direction>match-direction-choice  
                   </match-direction>   <!-- mandatory -->  
               </rule>  
             </ipsec-vpn>  
           </services>  
         </configuration>

**Description** Define an IPSec rule.

**Contents** <match-direction>—Direction for which the rule match is applied.

- input—Match on input to interface.
- output—Match on output from interface.

<name>—Rule name.

<term>—Define an IPSec term.

**<rule> (configuration/services/ipsec-vpn/rule-set)**

---

**Usage** `<configuration>  
     <services>  
         <ipsec-vpn>  
             <rule-set>  
                 <rule>  
                     <name>name</name>   <!-- identifier -->  
                 </rule>  
             </rule-set>  
         </ipsec-vpn>  
     </services>  
</configuration>`

**Description** Rule to be included in this rule set.

**Contents** `<name>`—Rule name.

**<rule> (configuration/services/nat)**

---

**Usage** `<configuration>  
     <services>  
         <nat>  
             <rule>  
                 <name>name</name>   <!-- identifier -->  
                 <match-direction>match-direction-choice  
                     </match-direction>   <!-- mandatory -->  
                 <term>...</term>   <!-- mandatory -->  
             </rule>  
         </nat>  
     </services>  
</configuration>`

**Description** Define a NAT rule.

**Contents** `<match-direction>`—Direction for which the rule match is applied.

- `input`—Match on input to interface.
- `output`—Match on output from interface.

`<name>`—Rule name.

`<term>`—Define a NAT term.

**<rule> (configuration/services/nat/rule-set)**

---

**Usage** <configuration>  
           <services>  
             <nat>  
               <rule-set>  
                 <rule>  
                   <name>name</name>   <!-- identifier -->  
                 </rule>  
               </rule-set>  
             </nat>  
           </services>  
         </configuration>

**Description** Rule to be included in this rule set.

**Contents** <name>—Rule name.

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

---

**Usage** <configuration>  
           <services>  
             <pgcp>  
               <rule>  
                 <name>name</name>   <!-- identifier -->  
                 <gateway>gateway</gateway>   <!-- mandatory -->  
                 <media-service>...</media-service>   <!-- mandatory -->  
               </rule>  
             </pgcp>  
           </services>  
         </configuration>

**Description** One or more PGCP rules.

**Contents** <gateway>—Gateway Name.

<media-service>—No documentation is available yet.

<name>—Rule name.

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

---

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

**Description** Rule to be included in this rule set.

**Contents** <name>—Rule name.

**<rule> (configuration/services/stateful-firewall)**

---

**Usage** <configuration>  
           <services>  
             <stateful-firewall>  
               <rule>  
                 <name>name</name>   <!-- identifier -->  
                 <match-direction>match-direction-choice  
                   </match-direction>   <!-- mandatory -->  
                 <term>...</term>   <!-- mandatory -->  
               </rule>  
             </stateful-firewall>  
           </services>  
         </configuration>

**Description** Define a stateful firewall rule.

**Contents** <match-direction>—Direction for which the rule match is applied.

- input—Match on input to interface.
- input-output—Match on input to or output from interface.
- output—Match on output from interface.

<name>—Rule name.

<term>—Define a stateful firewall term.

**<rule> (configuration/services/stateful-firewall/rule-set)**

---

**Usage** `<configuration>  
   <services>  
     <stateful-firewall>  
       <rule-set>  
         <rule>  
           <name>name</name>   <!-- identifier -->  
         </rule>  
       </rule-set>  
     </stateful-firewall>  
   </services>  
</configuration>`

**Description** Rule to be included in this rule set.

**Contents** `<name>`—Rule name.

**<rule-set> (configuration/services/acl)**

---

**Usage** `<configuration>  
   <services>  
     <acl>  
       <rule-set>  
         <name>name</name>   <!-- identifier -->  
         <rule>...</rule>  
       </rule-set>  
     </acl>  
   </services>  
</configuration>`

**Description** Define a Set of ACL rules.

**Contents** `<name>`—Name of the rule set.

`<rule>`—Rule to be included in this rule set.



**<rule-set> (configuration/services/application-identification)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;application-identification&gt;       &lt;rule-set&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;rule&gt;...&lt;/rule&gt;       &lt;/rule-set&gt;     &lt;/application-identification&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	One or more application rules.
<b>Contents</b>	<p>&lt;name&gt;—Name of the rule set.</p> <p>&lt;rule&gt;—Rule to be included in this rule set.</p>

**<rule-set> (configuration/services/application-identification/profile)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;application-identification&gt;       &lt;profile&gt;         &lt;rule-set&gt;           &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;/rule-set&gt;       &lt;/profile&gt;     &lt;/application-identification&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	One or more rule-sets in the profile.
<b>Contents</b>	<name>—Rule-set name.

**<rule-set> (configuration/services/cos)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;cos&gt;       &lt;rule-set&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;rule&gt;...&lt;/rule&gt;       &lt;/rule-set&gt;     &lt;/cos&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Define a Set of CoS rules.
<b>Contents</b>	<p>&lt;name&gt;—Name of the rule set.</p> <p>&lt;rule&gt;—Rule to be included in this rule set.</p>

**<rule-set> (configuration/services/ids)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ids&gt;       &lt;rule-set&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;rule&gt;...&lt;/rule&gt;       &lt;/rule-set&gt;     &lt;/ids&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Define a set of IDS rules.
<b>Contents</b>	<p>&lt;name&gt;—Name of the rule set.</p> <p>&lt;rule&gt;—Rule to be included in this rule set.</p>

**<rule-set> (configuration/services/ipsec-vpn)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ipsec-vpn&gt;       &lt;rule-set&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;rule&gt;...&lt;/rule&gt;       &lt;/rule-set&gt;     &lt;/ipsec-vpn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Defines a set of IPSec rules.
<b>Contents</b>	<p>&lt;name&gt;—Name of the rule set.</p> <p>&lt;rule&gt;—Rule to be included in this rule set.</p>

**<rule-set> (configuration/services/nat)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;nat&gt;       &lt;rule-set&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;rule&gt;...&lt;/rule&gt;       &lt;/rule-set&gt;     &lt;/nat&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Defines a set of NAT rules.
<b>Contents</b>	<p>&lt;name&gt;—Name of the rule set.</p> <p>&lt;rule&gt;—Rule to be included in this rule set.</p>

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;pgcp&gt;       &lt;rule-set&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;rule&gt;...&lt;/rule&gt;       &lt;/rule-set&gt;     &lt;/pgcp&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Define a Set of PGCP rules.
<b>Contents</b>	<p>&lt;name&gt;—Name of the rule set.</p> <p>&lt;rule&gt;—Rule to be included in this rule set.</p>

**<rule-set> (configuration/services/stateful-firewall)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;stateful-firewall&gt;       &lt;rule-set&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;rule&gt;...&lt;/rule&gt;       &lt;/rule-set&gt;     &lt;/stateful-firewall&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Define a set of stateful firewall rules.
<b>Contents</b>	<p>&lt;name&gt;—Name of the rule set.</p> <p>&lt;rule&gt;—Rule to be included in this rule set.</p>

**<rule-space> (configuration/services/ggsn)**

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               **<rule-space>**  
                 <name>*name*</name>   <!-- identifier -->  
                 <service-set>*service-set*</service-set>   <!-- mandatory -->  
                 <buffer-pending-authorization>...</buffer-pending-authorization>  
                 <drop-pending-authorization>...</drop-pending-authorization>  
                 <pass-through-pending-authorization>...</pass-through-pending-authorization>  
                 <redirect-map>...</redirect-map>  
                 <time-based-charging>...</time-based-charging>  
                 <quota-handling>...</quota-handling>  
                 <rating-group>...</rating-group>  
                 <enable-access-control-rules/>  
                 <always-allowed-service-identifiers>...</always-allowed-service-identifiers>  
                 <access-control-group>...</access-control-group>  
                 <initial-redirect/>  
                 <local-policy-control>...</local-policy-control>  
                 <bandwidth-control>...</bandwidth-control>  
                 <redirect-with-acknowledgement>...</redirect-with-acknowledgement>  
               **</rule-space>**  
             </ggsn>  
           </services>  
   </configuration>

**Description** Rule space configuration for charging control.

**Contents** <access-control-group>—Access control group settings.

<always-allowed-service-identifiers>—Always allowed service identifiers.

<bandwidth-control>—Bandwidth control settings.

<buffer-pending-authorization>—Settings for buffering packets pending authorization.

<drop-pending-authorization>—List of service identifiers for which payload will dropped while waiting for authorization.

<enable-access-control-rules>—Access control rules enabled using service-id as access-control-rule id.

<initial-redirect>—Redirect services at first access.

<local-policy-control>—Local policy control settings.

<name>—Rule space name.

<pass-through-pending-authorization>—Settings for passing through packets pending authorization.

<quota-handling>—Quota handling preferences.

`<rating-group>`—Classification of service-identifiers to Rating Groups, and explicit barring of services.

`<redirect-map>`—Mapping service identifiers to redirect sets.

`<redirect-with-acknowledgement>`—Settings for redirect with acknowledgement.

`<service-set>`—The service-set correlating to the rule-space.

`<time-based-charging>`—Rating group related configuration.

## **`<rule-space>` (configuration/services/ggsn/apn/user-category/category)**

---

**Usage**

```
<configuration>
  <services>
    <ggsn>
      <apn>
        <user-category>
          <category>
            <rule-space>
              <default>default</default>    <!-- mandatory -->
              <default-secondary>default-secondary</default-secondary>
            </rule-space>
          </category>
        </user-category>
      </apn>
    </ggsn>
  </services>
</configuration>
```

**Description** Default rule space settings.

**Contents** `<default>`—Default rule space to apply initially to all contexts.

`<default-secondary>`—Default rule space to apply to secondary contexts.

## **<rule-space> (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;rule-space&gt;               &lt;default&gt;default&lt;/default&gt;    &lt;!-- mandatory --&gt;               &lt;default-secondary&gt;default-secondary&lt;/default-secondary&gt;             &lt;/rule-space&gt;           &lt;/default&gt;         &lt;/user-category&gt;       &lt;/apn&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Default rule space settings.
<b>Contents</b>	<p>&lt;default&gt;—Default rule space to apply initially to all contexts.</p> <p>&lt;default-secondary&gt;—Default rule space to apply to secondary contexts.</p>

## **<rule-space> (configuration/services/ggsn/charging/cdr-attribute/enhanced-cdr/service-data-attributes)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;charging&gt;         &lt;cdr-attribute&gt;           &lt;enhanced-cdr&gt;             &lt;service-data-attributes&gt;               &lt;rule-space&gt;                 &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;                 &lt;service-id-level-reporting&gt;...&lt;/service-id-level-reporting&gt;               &lt;/rule-space&gt;             &lt;/service-data-attributes&gt;           &lt;/enhanced-cdr&gt;         &lt;/cdr-attribute&gt;       &lt;/charging&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Setting for enhanced CDRs handling in rule-space.
<b>Contents</b>	<p>&lt;name&gt;—Apply setting to rule space .</p> <p>&lt;service-id-level-reporting&gt;—Report CDRs on SI level.</p>

## **<rulebase-exempt> (configuration/security/idp/idp-policy)**

---

**Usage** <configuration>  
    <security>  
        <idp>  
            <idp-policy>  
                **<rulebase-exempt>**  
                    <rule>...</rule>  
                **</rulebase-exempt>**  
            </idp-policy>  
        </idp>  
    </security>  
</configuration>

**Description** Exempt rulebase.

**Contents** <rule>—Configure exempt rule.

## **<rulebase-ips> (configuration/security/idp/idp-policy)**

---

**Usage** <configuration>  
    <security>  
        <idp>  
            <idp-policy>  
                **<rulebase-ips>**  
                    <rule>...</rule>  
                **</rulebase-ips>**  
            </idp-policy>  
        </idp>  
    </security>  
</configuration>

**Description** IPS rulebase.

**Contents** <rule>—Configure IPS rule.