

## Chapter 4

# Tag Elements Beginning with D

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

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



**NOTE:** Every tag element in this chapter optionally accepts the `<apply-groups>` or `<apply-groups-except>` tag element and the `<apply-macro>` tag element as children. For brevity, the reference entries do not list these tag elements as children. For information about these tag elements, see `<apply-groups>` on page 606, `<apply-groups-except>` on page 606, and `<apply-macro>` on page 607.

---

**<daemon-process> (configuration/system/processes)**

---

**Usage**   <configuration>  
           <system>  
           <processes>  
             **<daemon-process>**  
               <name>*name*</name>   <!-- identifier -->  
               <disable/>  
               <failover>*failover-choice*</failover>  
               <command>*command*</command>  
             **</daemon-process>**  
           </processes>  
         </system>  
       </configuration>

**Description**   No documentation is available yet.

**Contents**   <command>—Path to binary for process.

              <disable>—Disable process.

              <failover>—How to handle failure of parameter.

- alternate-media—On failing, reboot off alternate media.
- other-routing-engine—On failing, switch mastership to other routing engine.

              <name>—No documentation is available yet.

**<damping> (configuration/logical-systems/policy-options)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <policy-options>  
           **<damping>**  
             <name>*name*</name>   <!-- identifier -->  
             <disable/>  
             <half-life>*minutes*</half-life>  
             <reuse>*reuse*</reuse>  
             <suppress>*suppress*</suppress>  
             <max-suppress>*minutes*</max-suppress>  
           **</damping>**  
         </policy-options>  
       </logical-systems>  
     </configuration>

**Description**   BGP route flap damping properties.

**Contents**   <disable>—Disable damping.  
               <half-life>—Decay half-life.  
               <max-suppress>—Maximum hold-down time.  
               <name>—Name to identify route flap damping parameters.  
               <reuse>—Reuse threshold (figure-of-merit value).  
               <suppress>—Cutoff threshold (figure-of-merit value).

**<damping> (configuration/policy-options)**

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;policy-options&gt;     &lt;damping&gt;       &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;       &lt;disable/&gt;       &lt;half-life&gt;minutes&lt;/half-life&gt;       &lt;reuse&gt;reuse&lt;/reuse&gt;       &lt;suppress&gt;suppress&lt;/suppress&gt;       &lt;max-suppress&gt;minutes&lt;/max-suppress&gt;     &lt;/damping&gt;   &lt;/policy-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	BGP route flap damping properties.
<b>Contents</b>	<p>&lt;disable&gt;—Disable damping.</p> <p>&lt;half-life&gt;—Decay half-life.</p> <p>&lt;max-suppress&gt;—Maximum hold-down time.</p> <p>&lt;name&gt;—Name to identify route flap damping parameters.</p> <p>&lt;reuse&gt;—Reuse threshold (figure-of-merit value).</p> <p>&lt;suppress&gt;—Cutoff threshold (figure-of-merit value).</p>

**<data> (configuration/services/cos/application-profile/ftp)**

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;cos&gt;       &lt;application-profile&gt;         &lt;ftp&gt;           &lt;data&gt;             &lt;dscp&gt;dscp&lt;/dscp&gt;             &lt;forwarding-class&gt;forwarding-class&lt;/forwarding-class&gt;           &lt;/data&gt;         &lt;/ftp&gt;       &lt;/application-profile&gt;     &lt;/cos&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	No documentation is available yet.
<b>Contents</b>	<p>&lt;dscp&gt;—Code point alias or bit string.</p> <p>&lt;forwarding-class&gt;—Forwarding class assigned to outgoing packets.</p>

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

---

**Usage** <configuration>  
           <services>  
             <pgcp>  
               <gateway>  
                 **<data-inactivity-detection>**  
                   <inactivity-delay>seconds</inactivity-delay>  
                   <latch-deadlock-delay>seconds</latch-deadlock-delay>  
                   <send-notification-on-delay/>  
                   <inactivity-duration>seconds</inactivity-duration>  
                   <stop-detection-on-drop/>  
                   <report-service-change>...</report-service-change>  
                 **</data-inactivity-detection>**  
               </gateway>  
             </pgcp>  
           </services>  
         </configuration>

**Description** No documentation is available yet.

**Contents** <inactivity-delay>—Delay before data inactivity detection starts.  
               <inactivity-duration>—Default data inactivity duration (Q-MI).  
               <latch-deadlock-delay>—Delay value used for gates employing NAPT traversal.  
               <report-service-change>—Configure the data-inactivity service-change behavior.  
               <send-notification-on-delay>—Send inactivity notification when delay expires.  
               <stop-detection-on-drop>—Stop detection when gate action is set to drop.

## **<data-input> (configuration/dynamic-profiles/interfaces/interface)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;dynamic-profiles&gt;     &lt;interfaces&gt;       &lt;interface&gt;         &lt;data-input&gt;           &lt;system/&gt;           &lt;interface&gt;interface&lt;/interface&gt;         &lt;/data-input&gt;       &lt;/interface&gt;     &lt;/interfaces&gt;   &lt;/dynamic-profiles&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Configuration for drop-insert data input.
<b>Contents</b>	<p>&lt;interface&gt;—Interface that acts as data source.</p> <p>&lt;system&gt;—Data sourced from system.</p>

## **<data-input> (configuration/interfaces/interface)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;interfaces&gt;     &lt;interface&gt;       &lt;data-input&gt;         &lt;system/&gt;         &lt;interface&gt;interface&lt;/interface&gt;       &lt;/data-input&gt;     &lt;/interface&gt;   &lt;/interfaces&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Configuration for drop-insert data input.
<b>Contents</b>	<p>&lt;interface&gt;—Interface that acts as data source.</p> <p>&lt;system&gt;—Data sourced from system.</p>

**<database-replication> (configuration/system/services)**

---

- Usage**   <configuration>  
               <system>  
                   <services>  
                       **<database-replication>**  
                           <traceoptions>...</traceoptions>  
                       **</database-replication>**  
                   </services>  
               </system>  
           </configuration>
- Description**   Database replication configuration.
- Contents**    <traceoptions>—Database replication trace options.

## **<dce-options> (configuration/dynamic-profiles/interfaces/interface/serial-options)**

---

**Usage**

```

<configuration>
  <dynamic-profiles>
    <interfaces>
      <interface>
        <serial-options>
          <dce-options>
            <ignore-all/>
            <dtr>dtr-choice</dtr>
            <rts>rts-choice</rts>
            <dcd>dcd-choice</dcd>
            <dsr>dsr-choice</dsr>
            <cts>cts-choice</cts>
            <tm>tm-choice</tm>
            <dce-loopback-override/>
          </dce-options>
        </serial-options>
      </interface>
    </interfaces>
  </dynamic-profiles>
</configuration>

```

**Description** DCE options.

**Contents** <cts>—Clear To Send signal handling.

- assert—Assert Request To Send (RTS) signal.
- de-assert—Deassert Request To Send (RTS) signal.
- normal—Normal Request To Send (RTS) signal.

<dcd>—Data Carrier Detect signal handling.

- assert—Assert Request To Send (RTS) signal.
- de-assert—Deassert Request To Send (RTS) signal.
- normal—Normal Request To Send (RTS) signal.

<dce-loopback-override>—DCE loopback override.

<dsr>—Data Set Ready signal handling.

- assert—Assert Request To Send (RTS) signal.
- de-assert—Deassert Request To Send (RTS) signal.
- normal—Normal Request To Send (RTS) signal.

<dtr>—Data Transmit Ready signal handling.

- ignore—Ignore Data Carrier Detect (DCD) signal.



- **normal**—Normal Data Carrier Detect (DCD) signal.
- **require**—Require Data Carrier Detect (DCD) signal.

**<ignore-all>**—Ignore all control leads.

**<rts>**—Request To Send signal handling.

- **ignore**—Ignore Data Carrier Detect (DCD) signal.
- **normal**—Normal Data Carrier Detect (DCD) signal.
- **require**—Require Data Carrier Detect (DCD) signal.

**<tm>**—Test Mode signal handling.

- **ignore**—Ignore TM signal.
- **normal**—Normal TM signal.
- **require**—Require TM signal.

**<dce-options> (configuration/interfaces/interface/serial-options)**

---

**Usage** <configuration>  
 <interfaces>  
 <interface>  
 <serial-options>  
   **<dce-options>**  
     <ignore-all/>  
     <dtr>*dtr-choice*</dtr>  
     <rts>*rts-choice*</rts>  
     <dcd>*dcd-choice*</dcd>  
     <dsr>*dsr-choice*</dsr>  
     <cts>*cts-choice*</cts>  
     <tm>*tm-choice*</tm>  
     <dce-loopback-override/>  
   **</dce-options>**  
 </serial-options>  
</interface>  
</interfaces>  
</configuration>

**Description** DCE options.

**Contents** <cts>—Clear To Send signal handling.

- assert—Assert Request To Send (RTS) signal.
- de-assert—Deassert Request To Send (RTS) signal.
- normal—Normal Request To Send (RTS) signal.

<dcd>—Data Carrier Detect signal handling.

- assert—Assert Request To Send (RTS) signal.
- de-assert—Deassert Request To Send (RTS) signal.
- normal—Normal Request To Send (RTS) signal.

<dce-loopback-override>—DCE loopback override.

<dsr>—Data Set Ready signal handling.

- assert—Assert Request To Send (RTS) signal.
- de-assert—Deassert Request To Send (RTS) signal.
- normal—Normal Request To Send (RTS) signal.

<dtr>—Data Transmit Ready signal handling.

- ignore—Ignore Data Carrier Detect (DCD) signal.
- normal—Normal Data Carrier Detect (DCD) signal.

- **require**—Require Data Carrier Detect (DCD) signal.

**<ignore-all>**—Ignore all control leads.

**<rts>**—Request To Send signal handling.

- **ignore**—Ignore Data Carrier Detect (DCD) signal.
- **normal**—Normal Data Carrier Detect (DCD) signal.
- **require**—Require Data Carrier Detect (DCD) signal.

**<tm>**—Test Mode signal handling.

- **ignore**—Ignore TM signal.
- **normal**—Normal TM signal.
- **require**—Require TM signal.

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

---

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

**Description** Default timeout settings.

**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 default idle supervision.

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

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

---

**Usage**

```

<configuration>
  <services>
    <ggsn>
      <apn>
        <pdp-context>
          <session-control>
            <session-timeout>
              <default>
                <timeout>minutes</timeout>
                <no-supervision/>
                <measurement-type>measurement-type-choice</measurement-type>
              </default>
            </session-timeout>
          </session-control>
        </pdp-context>
      </apn>
    </ggsn>
  </services>
</configuration>

```

**Description** Default timeout settings.

**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 default session supervision.

<timeout>—Maximum duration for a context.

**<default> (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;default&gt;               &lt;quality-of-service&gt;...&lt;/quality-of-service&gt;               &lt;default-quality-of-service&gt;...&lt;/default-quality-of-service&gt;             &lt;/default&gt;           &lt;/profile&gt;         &lt;/qos-control&gt;       &lt;/apn&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Default QoS.
<b>Contents</b>	<p>&lt;default-quality-of-service&gt;—Default quality of service.</p> <p>&lt;quality-of-service&gt;—Quality of service.</p>

**<default> (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;default&gt;             &lt;rat-type&gt;...&lt;/rat-type&gt;             &lt;roaming-class&gt;roaming-class&lt;/roaming-class&gt;    &lt;!-- mandatory --&gt;           &lt;/default&gt;         &lt;/roaming&gt;       &lt;/apn&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Default roaming class.
<b>Contents</b>	<p>&lt;rat-type&gt;—Radio Access Type.</p> <p>&lt;roaming-class&gt;—Roaming class for any radio access type.</p>

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

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               <apn>  
                 <user-category>  
                   **<default>**  
                     <rule-space>...</rule-space>  
                     <pdp-context>...</pdp-context>  
                     <policy-control-static-profile>*policy-control-static-profile*  
                       </policy-control-static-profile>  
                     <policy-control-dynamic-profile>*policy-control-dynamic-profile*  
                       </policy-control-dynamic-profile>  
                     <policy-control-dynamic-gx-profile>*policy-control-dynamic-gx-profile*  
                       </policy-control-dynamic-gx-profile>  
                     <rating-control-profile>*rating-control-profile*</rating-control-profile>  
                     <credit-control-profile>*credit-control-profile*</credit-control-profile>  
                     <credit-control-ro-profile>*credit-control-ro-profile*  
                       </credit-control-ro-profile>  
                     <charging-unit-profile>*charging-unit-profile*</charging-unit-profile>  
                     <block-based-charging-profile>*block-based-charging-profile*  
                       </block-based-charging-profile>  
                     <qos-control-profile>*qos-control-profile*</qos-control-profile>  
                   **</default>**  
                 </user-category>  
               </apn>  
             </ggsn>  
           </services>  
   </configuration>

**Description** Default user category.

**Contents** <block-based-charging-profile>—Default block-based charging profile.

<charging-unit-profile>—Default charging unit profile.

<credit-control-profile>—Default credit control profile.

<credit-control-ro-profile>—Default ro profile.

<pdp-context>—PDP context settings.

<policy-control-dynamic-gx-profile>—Default policy control gx profile.

<policy-control-dynamic-profile>—Default dynamic policy control profile.

<policy-control-static-profile>—Default static policy control profile.

<qos-control-profile>—Default QoS control profile.

<rating-control-profile>—Default rating control profile.

<rule-space>—Default rule space settings.

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

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <pdp-context>  
           <session-control>  
           <idle-timeout>  
             **<default>**  
               <timeout>*minutes*</timeout>   <!-- mandatory -->  
               <measurement-type>*measurement-type-choice*</measurement-type>  
             **</default>**  
           </idle-timeout>  
         </session-control>  
       </pdp-context>  
     </ggsn>  
   </services>  
</configuration>

**Description**   Default timeout settings.

**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.

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;pdp-context&gt;         &lt;session-control&gt;           &lt;session-timeout&gt;             &lt;default&gt;               &lt;timeout&gt;minutes&lt;/timeout&gt;    &lt;!-- mandatory --&gt;               &lt;measurement-type&gt;measurement-type-choice&lt;/measurement-type&gt;             &lt;/default&gt;           &lt;/session-timeout&gt;         &lt;/session-control&gt;       &lt;/pdp-context&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Default timeout settings.
<b>Contents</b>	<p>&lt;measurement-type&gt;—Point of reference for time measurement.</p> <ul style="list-style-type: none"> <li>■ since-creation—Relative to the PDP context creation time.</li> <li>■ since-update—Relative to the last PDP context update time.</li> </ul> <p>&lt;timeout&gt;—Maximum duration for a context.</p>

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

---

<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-rating-group&gt;default-rating-group&lt;/default-rating-group&gt;             &lt;use-service-id/&gt;           &lt;/default&gt;         &lt;/rating-group&gt;       &lt;/rule-space&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Default rating group.
<b>Contents</b>	<p>&lt;default-rating-group&gt;—Use this rating group if not found in map table.</p> <p>&lt;use-service-id&gt;—Use the service-id as a rating-group.</p>



### **<default> (configuration/services/ggsn/service-set/service-identification/service-id)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <service-set>  
           <service-identification>  
           <service-id>  
           **<default>**  
           <payload>payload</payload>  
           **</default>**  
           </service-id>  
           </service-identification>  
           </service-set>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Default ID for packet content.

**Contents**     <payload>—Identifier for all payload.

### **<default-actions> (configuration/logical-systems/protocols/oam/ethernet/connectivity-fault-management/action-profile)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <protocols>  
           <oam>  
           <ethernet>  
           <connectivity-fault-management>  
           <action-profile>  
           **<default-actions>**  
           <interface-down/>  
           **</default-actions>**  
           </action-profile>  
           </connectivity-fault-management>  
           </ethernet>  
           </oam>  
           </protocols>  
           </logical-systems>  
         </configuration>

**Description**   Action that needs to be taken.

**Contents**     <interface-down>—Bring the interface down.

## **<default-actions> (configuration/protocols/oam/ethernet/connectivity-fault-management/action-profile)**

---

**Usage**   <configuration>  
           <protocols>  
           <oam>  
           <ethernet>  
           <connectivity-fault-management>  
           <action-profile>  
           **<default-actions>**  
           <interface-down/>  
           **</default-actions>**  
           </action-profile>  
           </connectivity-fault-management>  
           </ethernet>  
           </oam>  
           </protocols>  
           </configuration>

**Description**   Action that needs to be taken.

**Contents**   <interface-down>—Bring the interface down.

## **<default-context-prefix> (configuration/snmp/v3/vacm/access/group)**

---

**Usage**   <configuration>  
           <snmp>  
           <v3>  
           <vacm>  
           <access>  
           <group>  
           **<default-context-prefix>**  
           <security-model>...</security-model>  
           **</default-context-prefix>**  
           </group>  
           </access>  
           </vacm>  
           </v3>  
           </snmp>  
           </configuration>

**Description**   Default context-prefix access configuration.

**Contents**   <security-model>—Security model access configuration.

## **<default-lsa> (configuration/logical-systems/protocols/ospf/area/nssa)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <protocols>  
               <ospf>  
               <area>  
               <nssa>  
                   **<default-lsa>**  
                   <default-metric>*default-metric*</default-metric>  
                   <metric-type>*metric-type*</metric-type>  
                   <type-7/>  
                   **</default-lsa>**  
               </nssa>  
               </area>  
               </ospf>  
               </protocols>  
               </logical-systems>  
               </configuration>

**Description**   Configure a default LSA.

**Contents**   <default-metric>—Metric for the default route in this area.  
                   <metric-type>—External metric type for the default type 7 LSA.  
                   <type-7>—Flood type 7 default LSA if no-summaries is configured.

## **<default-lsa> (configuration/logical-systems/protocols/ospf3/area/nssa)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          <ospf3>  
          <area>  
          <nssa>  
            **<default-lsa>**  
              <default-metric>*default-metric*</default-metric>  
              <metric-type>*metric-type*</metric-type>  
              <type-7/>  
            **</default-lsa>**  
          </nssa>  
          </area>  
          </ospf3>  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   Configure a default LSA.

**Contents**   <default-metric>—Metric for the default route in this area.  
  
              <metric-type>—External metric type for the default type 7 LSA.  
  
              <type-7>—Flood type 7 default LSA if no-summaries is configured.

## **<default-lsa> (configuration/logical-systems/protocols/ospf3/ realm/area/nssa)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <protocols>  
               <ospf3>  
               <realm>  
               <area>  
               <nssa>  
                   **<default-lsa>**  
                   <default-metric>*default-metric*</default-metric>  
                   <metric-type>*metric-type*</metric-type>  
                   <type-7/>  
                   **</default-lsa>**  
               </nssa>  
               </area>  
               </realm>  
               </ospf3>  
               </protocols>  
               </logical-systems>  
               </configuration>

**Description**   Configure a default LSA.

**Contents**   <default-metric>—Metric for the default route in this area.  
                   <metric-type>—External metric type for the default type 7 LSA.  
                   <type-7>—Flood type 7 default LSA if no-summaries is configured.

## **<default-lsa> (configuration/logical-systems/routing-instances/instance/protocols/ospf/area/nssa)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <ospf>
            <area>
              <nssa>
                <default-lsa>
                  <default-metric>default-metric</default-metric>
                  <metric-type>metric-type</metric-type>
                  <type-7/>
                </default-lsa>
              </nssa>
            </area>
          </ospf>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Configure a default LSA.

**Contents**

- <default-metric>—Metric for the default route in this area.
- <metric-type>—External metric type for the default type 7 LSA.
- <type-7>—Flood type 7 default LSA if no-summaries is configured.

## **<default-lsa> (configuration/logical-systems/routing-instances/instance/protocols/ospf3/area/nssa)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <routing-instances>  
               <instance>  
               <protocols>  
               <ospf3>  
               <area>  
               <nssa>  
                   **<default-lsa>**  
                   <default-metric>*default-metric*</default-metric>  
                   <metric-type>*metric-type*</metric-type>  
                   <type-7/>  
                   **</default-lsa>**  
               </nssa>  
               </area>  
               </ospf3>  
               </protocols>  
               </instance>  
               </routing-instances>  
               </logical-systems>  
               </configuration>

**Description**   Configure a default LSA.

**Contents**   <default-metric>—Metric for the default route in this area.  
               <metric-type>—External metric type for the default type 7 LSA.  
               <type-7>—Flood type 7 default LSA if no-summaries is configured.

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

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <ospf3>  
           <realm>  
           <area>  
           <nssa>  
             **<default-lsa>**  
               <default-metric>*default-metric*</default-metric>  
               <metric-type>*metric-type*</metric-type>  
               <type-7/>  
             **</default-lsa>**  
           </nssa>  
           </area>  
           </realm>  
           </ospf3>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
         </configuration>

**Description**   Configure a default LSA.

**Contents**   <default-metric>—Metric for the default route in this area.

              <metric-type>—External metric type for the default type 7 LSA.

              <type-7>—Flood type 7 default LSA if no-summaries is configured.



**<default-lsa> (configuration/protocols/ospf/area/nssa)**

---

- Usage** <configuration>  
           <protocols>  
             <ospf>  
               <area>  
                 <nssa>  
                   **<default-lsa>**  
                     <default-metric>*default-metric*</default-metric>  
                     <metric-type>*metric-type*</metric-type>  
                     <type-7/>  
                   **</default-lsa>**  
                 </nssa>  
               </area>  
             </ospf>  
           </protocols>  
         </configuration>
- Description** Configure a default LSA.
- Contents** <default-metric>—Metric for the default route in this area.  
               <metric-type>—External metric type for the default type 7 LSA.  
               <type-7>—Flood type 7 default LSA if no-summaries is configured.

**<default-lsa> (configuration/protocols/ospf3/area/nssa)**

---

- Usage** <configuration>  
           <protocols>  
             <ospf3>  
               <area>  
                 <nssa>  
                   **<default-lsa>**  
                     <default-metric>*default-metric*</default-metric>  
                     <metric-type>*metric-type*</metric-type>  
                     <type-7/>  
                   **</default-lsa>**  
                 </nssa>  
               </area>  
             </ospf3>  
           </protocols>  
         </configuration>
- Description** Configure a default LSA.
- Contents** <default-metric>—Metric for the default route in this area.  
               <metric-type>—External metric type for the default type 7 LSA.  
               <type-7>—Flood type 7 default LSA if no-summaries is configured.

**<default-lsa> (configuration/protocols/ospf3/realm/area/nssa)**

---

**Usage**   <configuration>  
          <protocols>  
          <ospf3>  
          <realm>  
          <area>  
          <nssa>  
            **<default-lsa>**  
              <default-metric>*default-metric*</default-metric>  
              <metric-type>*metric-type*</metric-type>  
              <type-7/>  
            **</default-lsa>**  
          </nssa>  
          </area>  
          </realm>  
          </ospf3>  
          </protocols>  
          </configuration>

**Description**   Configure a default LSA.

**Contents**   <default-metric>—Metric for the default route in this area.  
  
              <metric-type>—External metric type for the default type 7 LSA.  
  
              <type-7>—Flood type 7 default LSA if no-summaries is configured.

## **<default-lsa> (configuration/routing-instances/instance/protocols/ospf/area/nssa)**

---

**Usage**   <configuration>  
               <routing-instances>  
                   <instance>  
                     <protocols>  
                       <ospf>  
                         <area>  
                           <nssa>  
                             **<default-lsa>**  
                               <default-metric>*default-metric*</default-metric>  
                               <metric-type>*metric-type*</metric-type>  
                               <type-7/>  
                             **</default-lsa>**  
                           </nssa>  
                         </area>  
                       </ospf>  
                     </protocols>  
                   </instance>  
               </routing-instances>  
           </configuration>

**Description**   Configure a default LSA.

**Contents**   <default-metric>—Metric for the default route in this area.  
               <metric-type>—External metric type for the default type 7 LSA.  
               <type-7>—Flood type 7 default LSA if no-summaries is configured.

**<default-lsa> (configuration/routing-instances/instance/protocols/ospf3/area/nssa)**

---

**Usage**   <configuration>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <ospf3>  
          <area>  
          <nssa>  
            **<default-lsa>**  
              <default-metric>*default-metric*</default-metric>  
              <metric-type>*metric-type*</metric-type>  
              <type-7/>  
            **</default-lsa>**  
          </nssa>  
          </area>  
          </ospf3>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </configuration>

**Description**   Configure a default LSA.

**Contents**   <default-metric>—Metric for the default route in this area.  
              <metric-type>—External metric type for the default type 7 LSA.  
              <type-7>—Flood type 7 default LSA if no-summaries is configured.

## **<default-lsa> (configuration/routing-instances/instance/protocols/ospf3/realm/area/nssa)**

---

**Usage**   <configuration>  
               <routing-instances>  
                   <instance>  
                       <protocols>  
                         <ospf3>  
                           <realm>  
                               <area>  
                                 <nssa>  
                                   **<default-lsa>**  
                                     <default-metric>*default-metric*</default-metric>  
                                     <metric-type>*metric-type*</metric-type>  
                                     <type-7/>  
                                   **</default-lsa>**  
                                 </nssa>  
                               </area>  
                             </realm>  
                         </ospf3>  
                   </protocols>  
                 </instance>  
       </routing-instances>  
  </configuration>

**Description**   Configure a default LSA.

**Contents**   <default-metric>—Metric for the default route in this area.  
               <metric-type>—External metric type for the default type 7 LSA.  
               <type-7>—Flood type 7 default LSA if no-summaries is configured.

## **<default-quality-of-service> (configuration/services/ggsn/apn/qos-control/profile/default)**

---

**Usage**

```

<configuration>
  <services>
    <ggsn>
      <apn>
        <qos-control>
          <profile>
            <default>
              <default-quality-of-service>
                <traffic-class>traffic-class-choice</traffic-class>
                <policy>policy-choice</policy>
                <maximum-bit-rate-uplink>kilobits</maximum-bit-rate-uplink>
                <maximum-bit-rate-downlink>kilobits</maximum-bit-rate-downlink>
                <guaranteed-bit-rate-uplink>kilobits</guaranteed-bit-rate-uplink>
                <guaranteed-bit-rate-downlink>kilobits</guaranteed-bit-rate-downlink>
                <transfer-delay>milliseconds</transfer-delay>
              </default-quality-of-service>
            </default>
          </profile>
        </qos-control>
      </apn>
    </ggsn>
  </services>
</configuration>

```

**Description** Default quality of service.

**Contents** <guaranteed-bit-rate-downlink>—Guaranteed downlink bit rate.

<guaranteed-bit-rate-uplink>—Guaranteed uplink bit rate.

<maximum-bit-rate-downlink>—Maximum downlink bit rate.

<maximum-bit-rate-uplink>—Maximum uplink bit rate.

<policy>—QoS policy.

■ max-allowed—Maximum QoS allowed.

■ min-required—Minimum QoS required.

■ must—Exact QoS required.

<traffic-class>—Traffic class.

■ background—Background quality of service.

■ conversational—Conversational quality of service.

■ interactive-1—Interactive priority 1 quality of service.

■ interactive-2—Interactive priority 2 quality of service.

- `interactive-3`—Interactive priority 3 quality of service.
- `streaming`—Streaming quality of service.

`<transfer-delay>`—Transfer delay.

## **<default-quality-of-service> (configuration/services/ggsn/apn/qos-control/profile/roaming-class)**

---

**Usage**

```

<configuration>
  <services>
    <ggsn>
      <apn>
        <qos-control>
          <profile>
            <roaming-class>
              <default-quality-of-service>
                <traffic-class>traffic-class-choice</traffic-class>
                <policy>policy-choice</policy>
                <maximum-bit-rate-uplink>kilobits</maximum-bit-rate-uplink>
                <maximum-bit-rate-downlink>kilobits</maximum-bit-rate-downlink>
                <guaranteed-bit-rate-uplink>kilobits</guaranteed-bit-rate-uplink>
                <guaranteed-bit-rate-downlink>kilobits</guaranteed-bit-rate-downlink>
                <transfer-delay>milliseconds</transfer-delay>
              </default-quality-of-service>
            </roaming-class>
          </profile>
        </qos-control>
      </apn>
    </ggsn>
  </services>
</configuration>

```

**Description** Default quality of service.

**Contents** <guaranteed-bit-rate-downlink>—Guaranteed downlink bit rate.

<guaranteed-bit-rate-uplink>—Guaranteed uplink bit rate.

<maximum-bit-rate-downlink>—Maximum downlink bit rate.

<maximum-bit-rate-uplink>—Maximum uplink bit rate.

<policy>—QoS policy.

■ max-allowed—Maximum QoS allowed.

■ min-required—Minimum QoS required.

■ must—Exact QoS required.

<traffic-class>—Traffic class.

■ background—Background quality of service.

■ conversational—Conversational quality of service.

■ interactive-1—Interactive priority 1 quality of service.

■ interactive-2—Interactive priority 2 quality of service.



- `interactive-3`—Interactive priority 3 quality of service.
- `streaming`—Streaming quality of service.

`<transfer-delay>`—Transfer delay.

## **<default-quality-of-service> (configuration/services/ggsn/apn/qos-control/profile/sgsn-class)**

---

**Usage**

```

<configuration>
  <services>
    <ggsn>
      <apn>
        <qos-control>
          <profile>
            <sgsn-class>
              <default-quality-of-service>
                <traffic-class>traffic-class-choice</traffic-class>
                <policy>policy-choice</policy>
                <maximum-bit-rate-uplink>kilobits</maximum-bit-rate-uplink>
                <maximum-bit-rate-downlink>kilobits</maximum-bit-rate-downlink>
                <guaranteed-bit-rate-uplink>kilobits</guaranteed-bit-rate-uplink>
                <guaranteed-bit-rate-downlink>kilobits</guaranteed-bit-rate-downlink>
                <transfer-delay>milliseconds</transfer-delay>
              </default-quality-of-service>
            </sgsn-class>
          </profile>
        </qos-control>
      </apn>
    </ggsn>
  </services>
</configuration>

```

**Description** Default quality of service.

**Contents** <guaranteed-bit-rate-downlink>—Guaranteed downlink bit rate.

<guaranteed-bit-rate-uplink>—Guaranteed uplink bit rate.

<maximum-bit-rate-downlink>—Maximum downlink bit rate.

<maximum-bit-rate-uplink>—Maximum uplink bit rate.

<policy>—QoS policy.

■ max-allowed—Maximum QoS allowed.

■ min-required—Minimum QoS required.

■ must—Exact QoS required.

<traffic-class>—Traffic class.

■ background—Background quality of service.

■ conversational—Conversational quality of service.

■ interactive-1—Interactive priority 1 quality of service.

■ interactive-2—Interactive priority 2 quality of service.

- interactive-3—Interactive priority 3 quality of service.
  - streaming—Streaming quality of service.
- <transfer-delay>—Transfer delay.

### **<default-quality-of-service> (configuration/services/ggsn/apn/service-based-charging/policy-control/static/profile/activation-time/default-roaming-class)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <apn>  
                 <service-based-charging>  
                     <policy-control>  
                         <static>  
                             <profile>  
                                 <activation-time>  
                                     <default-roaming-class>  
   **<default-quality-of-service>**  
   <service-class>...</service-class>  
   <block-rate>*block-rate*</block-rate>  
   **</default-quality-of-service>**  
                                     </default-roaming-class>  
                                 </activation-time>  
                             </profile>  
                         </static>  
                     </policy-control>  
                 </service-based-charging>  
             </apn>  
         </ggsn>  
     </services>  
</configuration>

**Description** Default quality of service for rates.

**Contents** <block-rate>—Rate per block for volume-based and duration-time-based block charging.

<service-class>—Service class for rates.

**<default-quality-of-service> (configuration/services/ggsn/apn/  
service-based-charging/policy-control/static/profile/  
activation-time/roaming-class)**

---

**Usage**   <configuration>  
          <services>  
          <ggsn>  
          <apn>  
          <service-based-charging>  
          <policy-control>  
          <static>  
          <profile>  
          <activation-time>  
          <roaming-class>  
              **<default-quality-of-service>**  
                  <service-class>...</service-class>  
                  <block-rate>*block-rate*</block-rate>  
                  **</default-quality-of-service>**  
              </roaming-class>  
              </activation-time>  
              </profile>  
              </static>  
              </policy-control>  
              </service-based-charging>  
          </apn>  
          </ggsn>  
          </services>  
          </configuration>

**Description**   Default quality of service for rates.

**Contents**    <block-rate>—Rate per block for volume-based and duration-time-based block charging.

              <service-class>—Service class for rates.

## **<default-quality-of-service> (configuration/services/ggsn/apn/service-based-charging/policy-control/static/profile/all-time/default-roaming-class)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <apn>  
           <service-based-charging>  
           <policy-control>  
           <static>  
           <profile>  
           <all-time>  
           <default-roaming-class>  
           **<default-quality-of-service>**  
           <service-class>...</service-class>  
           <block-rate>*block-rate*</block-rate>  
           **</default-quality-of-service>**  
           </default-roaming-class>  
           </all-time>  
           </profile>  
           </static>  
           </policy-control>  
           </service-based-charging>  
           </apn>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Default quality of service for rates.

**Contents**   <block-rate>—Rate per block for volume-based and duration-time-based block charging.

          <service-class>—Service class for rates.

## **<default-quality-of-service> (configuration/services/ggsn/apn/service-based-charging/policy-control/static/profile/all-time/roaming-class)**

---

**Usage**

```

<configuration>
  <services>
    <ggsn>
      <apn>
        <service-based-charging>
          <policy-control>
            <static>
              <profile>
                <all-time>
                  <roaming-class>
                    <default-quality-of-service>
                      <service-class>...</service-class>
                      <block-rate>block-rate</block-rate>
                    </default-quality-of-service>
                  </roaming-class>
                </all-time>
              </profile>
            </static>
          </policy-control>
        </service-based-charging>
      </apn>
    </ggsn>
  </services>
</configuration>

```

**Description** Default quality of service for rates.

**Contents** <block-rate>—Rate per block for volume-based and duration-time-based block charging.

<service-class>—Service class for rates.

## **<default-quality-of-service> (configuration/services/ggsn/rule-space/local-policy-control/activation-time/default-roaming-class)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <rule-space>  
           <local-policy-control>  
           <activation-time>  
           <default-roaming-class>  
           **<default-quality-of-service>**  
           <access-control-rule>...</access-control-rule>  
           <access-control-group>...</access-control-group>  
           **</default-quality-of-service>**  
           </default-roaming-class>  
           </activation-time>  
           </local-policy-control>  
           </rule-space>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Default authorization settings for quality of service.

**Contents**   <access-control-group>—Authorization settings for access control group.

          <access-control-rule>—Authorization settings for access control rule identifier.

## **<default-quality-of-service> (configuration/services/ggsn/rule-space/local-policy-control/activation-time/roaming-class)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <rule-space>  
           <local-policy-control>  
           <activation-time>  
           <roaming-class>  
             **<default-quality-of-service>**  
               <access-control-rule>...</access-control-rule>  
               <access-control-group>...</access-control-group>  
             **</default-quality-of-service>**  
           </roaming-class>  
           </activation-time>  
           </local-policy-control>  
           </rule-space>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Default authorization settings for quality of service.

**Contents**   <access-control-group>—Authorization settings for access control group.  
               <access-control-rule>—Authorization settings for access control rule identifier.



## **<default-quality-of-service> (configuration/services/ggsn/rule-space/local-policy-control/all-time/default-roaming-class)**

---

**Usage**   <configuration>  
               <services>  
                   <ggsn>  
                       <rule-space>  
                           <local-policy-control>  
                               <all-time>  
                                   <default-roaming-class>  
                                       **<default-quality-of-service>**  
   <access-control-rule>...</access-control-rule>  
   <access-control-group>...</access-control-group>  
                                       **</default-quality-of-service>**  
                                   </default-roaming-class>  
                               </all-time>  
                           </local-policy-control>  
                       </rule-space>  
                   </ggsn>  
               </services>  
           </configuration>

**Description**   Default authorization settings for quality of service.

**Contents**   <access-control-group>—Authorization settings for access control group.  
               <access-control-rule>—Authorization settings for access control rule identifier.

## **<default-quality-of-service> (configuration/services/ggsn/rule-space/local-policy-control/all-time/roaming-class)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <rule-space>  
           <local-policy-control>  
           <all-time>  
           <roaming-class>  
             **<default-quality-of-service>**  
               <access-control-rule>...</access-control-rule>  
               <access-control-group>...</access-control-group>  
             **</default-quality-of-service>**  
           </roaming-class>  
           </all-time>  
           </local-policy-control>  
           </rule-space>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Default authorization settings for quality of service.

**Contents**   <access-control-group>—Authorization settings for access control group.  
               <access-control-rule>—Authorization settings for access control rule identifier.

## **<default-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>  
                                       **<default-roaming-class>**  
   <default-service-class-group>...</default-service-class-group>  
   <service-class-group>...</service-class-group>  
   <duration-time>...</duration-time>  
   <volume>...</volume>  
                                       **</default-roaming-class>**  
                                   </profile>  
                               </block-based-charging>  
                           </service-based-charging>  
                       </apn>  
                   </ggsn>  
               </services>  
           </configuration>

**Description**   Default roaming class.

**Contents**   <default-service-class-group>—Default service class settings for block-based charging.

              <duration-time>—Duration time block settings.

              <service-class-group>—Service class settings for block-based charging.

              <volume>—Volume block settings.

## **<default-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>
                  <default-roaming-class>
                    <quality-of-service>...</quality-of-service>
                    <default-quality-of-service>...
                      </default-quality-of-service>    <!-- mandatory -->
                  </default-roaming-class>
                </activation-time>
              </profile>
            </static>
          </policy-control>
        </service-based-charging>
      </apn>
    </ggsn>
  </services>
</configuration>

```

**Description** Default roaming class for rates.

**Contents** <default-quality-of-service>—Default quality of service for rates.

<quality-of-service>—Quality of service for rates.

## **<default-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>  
               **<default-roaming-class>**  
               <quality-of-service>...</quality-of-service>  
               <default-quality-of-service>...  
                   </default-quality-of-service>   <!-- mandatory -->  
               **</default-roaming-class>**  
               </all-time>  
               </profile>  
               </static>  
               </policy-control>  
               </service-based-charging>  
           </apn>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Default roaming class for rates.

**Contents**   <default-quality-of-service>—Default quality of service for rates.

          <quality-of-service>—Quality of service for rates.

## **<default-roaming-class> (configuration/services/ggsn/rule-space/local-policy-control/activation-time)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <rule-space>  
                 <local-policy-control>  
                     <activation-time>  
                         **<default-roaming-class>**  
                             <quality-of-service>...</quality-of-service>  
                             <default-quality-of-service>...  
                                 </default-quality-of-service>   <!-- mandatory -->  
                         **</default-roaming-class>**  
                     </activation-time>  
                 </local-policy-control>  
             </rule-space>  
         </ggsn>  
     </services>  
</configuration>

**Description** Default authorization settings to use on no match.

**Contents** <default-quality-of-service>—Default authorization settings for quality of service.  
             <quality-of-service>—Authorization settings for quality of service.

## **<default-roaming-class> (configuration/services/ggsn/rule-space/local-policy-control/all-time)**

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <rule-space>  
                 <local-policy-control>  
                     <all-time>  
                         **<default-roaming-class>**  
                             <quality-of-service>...</quality-of-service>  
                             <default-quality-of-service>...</default-quality-of-service>   <!--  
 mandatory -->  
                         **</default-roaming-class>**  
                     </all-time>  
                 </local-policy-control>  
             </rule-space>  
         </ggsn>  
     </services>  
</configuration>

**Description** Default authorization settings for roaming class .

**Contents** <default-quality-of-service>—Default authorization settings for quality of service.  
             <quality-of-service>—Authorization settings for quality of service.

## **<default-service-class-group> (configuration/services/ggsn/apn/service-based-charging/block-based-charging/profile/default-roaming-class)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <apn>  
           <service-based-charging>  
           <block-based-charging>  
           <profile>  
           <default-roaming-class>  
           **<default-service-class-group>**  
           <active-time>...</active-time>  
           <volume>...</volume>  
           **</default-service-class-group>**  
           </default-roaming-class>  
           </profile>  
           </block-based-charging>  
           </service-based-charging>  
           </apn>  
           </ggsn>  
           </services>  
         </configuration>

**Description**   Default service class settings for block-based charging.

**Contents**   <active-time>—Active time block settings.

          <volume>—Volume block settings.

## **<default-service-class-group> (configuration/services/ggsn/apn/service-based-charging/block-based-charging/profile/roaming-class)**

---

**Usage**

```

<configuration>
  <services>
    <ggsn>
      <apn>
        <service-based-charging>
          <block-based-charging>
            <profile>
              <roaming-class>
                <default-service-class-group>
                  <active-time>...</active-time>
                  <volume>...</volume>
                </default-service-class-group>
              </roaming-class>
            </profile>
          </block-based-charging>
        </service-based-charging>
      </apn>
    </ggsn>
  </services>
</configuration>

```

**Description** Default service class settings for block-based charging.

**Contents** <active-time>—Active time block settings.

<volume>—Volume block settings.



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

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <routing-options>  
                     <aggregate>  
                         **<defaults>**  
                             <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/>  
                             **</defaults>**  
                         </aggregate>  
                 </routing-options>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** Global 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.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.

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

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <routing-options>  
                     <generate>  
                         **<defaults>**  
                             <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/>  
                             **</defaults>**  
                         </generate>  
                 </routing-options>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** Global 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.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.

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

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <routing-options>  
                     <rib>  
                         <aggregate>  
                             **<defaults>**  
                                 <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/>  
                             **</defaults>**  
                         </aggregate>  
             </rib>  
         </routing-options>  
     </instance>  
 </routing-instances>  
</logical-systems>  
</configuration>

**Description** Global 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.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.

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

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <routing-options>  
                     <rib>  
                         <generate>  
                             **<defaults>**  
                                 <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/>  
                             **</defaults>**  
                         </generate>  
                     </rib>  
                 </routing-options>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** Global 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.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.



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

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <routing-options>  
                     <rib>  
                         <static>  
                             **<defaults>**  
                                 <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>  
                             **</defaults>**  
                         </static>  
                 </rib>  
         </routing-options>  
     </instance>  
   </routing-instances>  
</logical-systems>  
</configuration>

**Description** Global route options.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<install>—Install route into forwarding table.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<readvertise>—Mark route as eligible to be readvertised.

<resolve>—Allow resolution of indirectly connected next hops.

<retain>—Always keep route in forwarding table.

<tag>—Tag string.

<tag2>—Tag string 2.

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

---

**Usage** <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <routing-options>  
           <static>  
             **<defaults>**  
               <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>  
             **</defaults>**  
           </static>  
         </routing-options>  
       </instance>  
     </routing-instances>  
   </logical-systems>  
</configuration>

**Description** Global route options.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<install>—Install route into forwarding table.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<readvertise>—Mark route as eligible to be readvertised.

<resolve>—Allow resolution of indirectly connected next hops.

<retain>—Always keep route in forwarding table.

<tag>—Tag string.

<tag2>—Tag string 2.

## <defaults> (configuration/logical-systems/routing-options/aggregate)

---

**Usage** <configuration>  
 <logical-systems>  
 <routing-options>  
 <aggregate>  
 <defaults>  
 <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/>  
 </defaults>  
 </aggregate>  
 </routing-options>  
 </logical-systems>  
 </configuration>

**Description** Global 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.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.

## <defaults> (configuration/logical-systems/routing-options/generate)

---

**Usage** <configuration>  
           <logical-systems>  
           <routing-options>  
           <generate>  
             **<defaults>**  
               <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/>  
             **</defaults>**  
           </generate>  
         </routing-options>  
       </logical-systems>  
     </configuration>

**Description** Global 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.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.



## <defaults> (configuration/logical-systems/routing-options/rib/aggregate)

---

**Usage** <configuration>  
 <logical-systems>  
 <routing-options>  
 <rib>  
 <aggregate>  
 <defaults>  
 <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/>  
 </defaults>  
 </aggregate>  
 </rib>  
 </routing-options>  
 </logical-systems>  
 </configuration>

**Description** Global 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.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.

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

---

**Usage** <configuration>  
 <logical-systems>  
 <routing-options>  
 <rib>  
 <generate>  
   **<defaults>**  
     <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/>  
   **</defaults>**  
 </generate>  
</rib>  
</routing-options>  
</logical-systems>  
</configuration>

**Description** Global 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.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.

## <defaults> (configuration/logical-systems/routing-options/rib/static)

---

**Usage** <configuration>  
 <logical-systems>  
 <routing-options>  
 <rib>  
 <static>  
 <defaults>  
 <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>  
 </defaults>  
 </static>  
 </rib>  
 </routing-options>  
 </logical-systems>  
 </configuration>

**Description** Global route options.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<install>—Install route into forwarding table.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<readvertise>—Mark route as eligible to be readvertised.

<resolve>—Allow resolution of indirectly connected next hops.

<retain>—Always keep route in forwarding table.

<tag>—Tag string.

<tag2>—Tag string 2.

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

---

**Usage** <configuration>  
           <logical-systems>  
           <routing-options>  
           <static>  
             **<defaults>**  
               <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>  
             **</defaults>**  
           </static>  
         </routing-options>  
       </logical-systems>  
     </configuration>

**Description** Global route options.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<install>—Install route into forwarding table.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<readvertise>—Mark route as eligible to be readvertised.

<resolve>—Allow resolution of indirectly connected next hops.

<retain>—Always keep route in forwarding table.

<tag>—Tag string.

<tag2>—Tag string 2.



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

---

**Usage** <configuration>  
 <routing-instances>  
 <instance>  
 <routing-options>  
 <aggregate>  
**<defaults>**  
 <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/>  
**</defaults>**  
 </aggregate>  
 </routing-options>  
 </instance>  
 </routing-instances>  
 </configuration>

**Description** Global 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.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.

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

---

**Usage** <configuration>  
 <routing-instances>  
 <instance>  
 <routing-options>  
 <generate>  
**<defaults>**  
 <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/>  
**</defaults>**  
 </generate>  
 </routing-options>  
 </instance>  
 </routing-instances>  
 </configuration>

**Description** Global 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.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.

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

---

**Usage** <configuration>  
           <routing-instances>  
           <instance>  
           <routing-options>  
           <rib>  
           <aggregate>  
             **<defaults>**  
               <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/>  
             **</defaults>**  
           </aggregate>  
         </rib>  
       </routing-options>  
     </instance>  
 </routing-instances>  
</configuration>

**Description** Global 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.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.

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

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <routing-options>  
                 <rib>  
                     <generate>  
                         **<defaults>**  
                             <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/>  
                             **</defaults>**  
                         </generate>  
                 </rib>  
             </routing-options>  
         </instance>  
     </routing-instances>  
</configuration>

**Description** Global 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.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.



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

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <routing-options>  
           <rib>  
           <static>  
           **<defaults>**  
           <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>  
           **</defaults>**  
           </static>  
           </rib>  
           </routing-options>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Global route options.

**Contents**   <active>—Remove inactive route from forwarding table.

          <as-path>—Autonomous system path.

          <color>—Color (preference) value.

          <color2>—Color (preference) value 2.

          <community>—BGP community identifier.

          <install>—Install route into forwarding table.

          <metric>—Metric value.

          <metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<readvertise>—Mark route as eligible to be readvertised.

<resolve>—Allow resolution of indirectly connected next hops.

<retain>—Always keep route in forwarding table.

<tag>—Tag string.

<tag2>—Tag string 2.

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

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <routing-options>  
           <static>  
           **<defaults>**  
           <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>  
           **</defaults>**  
           </static>  
           </routing-options>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Global route options.

**Contents**   <active>—Remove inactive route from forwarding table.

          <as-path>—Autonomous system path.

          <color>—Color (preference) value.

          <color2>—Color (preference) value 2.

          <community>—BGP community identifier.

          <install>—Install route into forwarding table.

          <metric>—Metric value.

          <metric2>—Metric value 2.

          <metric3>—Metric value 3.

<metric4>—Metric value 4.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<readvertise>—Mark route as eligible to be readvertised.

<resolve>—Allow resolution of indirectly connected next hops.

<retain>—Always keep route in forwarding table.

<tag>—Tag string.

<tag2>—Tag string 2.

**<defaults> (configuration/routing-options/aggregate)**

---

**Usage** <configuration>  
           <routing-options>  
           <aggregate>  
           **<defaults>**  
             <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/>  
           **</defaults>**  
           </aggregate>  
         </routing-options>  
       </configuration>

**Description** Global 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.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.

**<defaults> (configuration/routing-options/generate)**

---

**Usage** <configuration>  
 <routing-options>  
 <generate>  
   **<defaults>**  
     <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/>  
   **</defaults>**  
 </generate>  
 </routing-options>  
 </configuration>

**Description** Global 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.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.



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

---

**Usage** <configuration>  
 <routing-options>  
 <rib>  
 <aggregate>  
 <defaults>  
 <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/>  
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 <passive/>  
 </defaults>  
 </aggregate>  
 </rib>  
 </routing-options>  
 </configuration>

**Description** Global 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.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.

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

---

**Usage** <configuration>  
 <routing-options>  
 <rib>  
 <generate>  
   **<defaults>**  
     <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/>  
   **</defaults>**  
 </generate>  
</rib>  
</routing-options>  
</configuration>

**Description** Global 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.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<tag>—Tag string.

<tag2>—Tag string 2.

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

---

**Usage** <configuration>  
 <routing-options>  
 <rib>  
 <static>  
   **<defaults>**  
     <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>  
   **</defaults>**  
 </static>  
</rib>  
</routing-options>  
</configuration>

**Description** Global route options.

**Contents** <active>—Remove inactive route from forwarding table.

<as-path>—Autonomous system path.

<color>—Color (preference) value.

<color2>—Color (preference) value 2.

<community>—BGP community identifier.

<install>—Install route into forwarding table.

<metric>—Metric value.

<metric2>—Metric value 2.

<metric3>—Metric value 3.

<metric4>—Metric value 4.

<passive>—Retain inactive route in forwarding table.

<preference>—Preference value.

<preference2>—Preference value 2.

<readvertise>—Mark route as eligible to be readvertised.

<resolve>—Allow resolution of indirectly connected next hops.

<retain>—Always keep route in forwarding table.

<tag>—Tag string.

<tag2>—Tag string 2.

**<defaults> (configuration/routing-options/static)**

---

**Usage**   <configuration>  
               <routing-options>  
               <static>  
               **<defaults>**  
                   <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>  
               **</defaults>**  
               </static>  
               </routing-options>  
               </configuration>

**Description**   Global route options.

**Contents**   <active>—Remove inactive route from forwarding table.

              <as-path>—Autonomous system path.

              <color>—Color (preference) value.

              <color2>—Color (preference) value 2.

              <community>—BGP community identifier.

              <install>—Install route into forwarding table.

              <metric>—Metric value.

              <metric2>—Metric value 2.

              <metric3>—Metric value 3.

              <metric4>—Metric value 4.

              <passive>—Retain inactive route in forwarding table.

              <preference>—Preference value.

<preference2>—Preference value 2.

<readvertise>—Mark route as eligible to be readvertised.

<resolve>—Allow resolution of indirectly connected next hops.

<retain>—Always keep route in forwarding table.

<tag>—Tag string.

<tag2>—Tag string 2.

## **<delay-buffer-rate> (configuration/class-of-service/traffic-control-profiles)**

---

**Usage**   <configuration>  
          <class-of-service>  
          <traffic-control-profiles>  
          **<delay-buffer-rate>**  
            <rate>*bits per second*</rate>  
            <percent>*percent*</percent>  
          **</delay-buffer-rate>**  
          </traffic-control-profiles>  
          </class-of-service>  
          </configuration>

**Description**   Delay buffer rate.

**Contents**    <percent>—Delay buffer rate as a percentage.  
              <rate>—Delay buffer rate as an absolute rate.



## **<delay-buffer-rate> (configuration/dynamic-profiles/class-of-service/traffic-control-profiles)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;dynamic-profiles&gt;     &lt;class-of-service&gt;       &lt;traffic-control-profiles&gt;         &lt;delay-buffer-rate&gt;           &lt;rate&gt;<i>bits per second</i>&lt;/rate&gt;           &lt;percent&gt;<i>percent</i>&lt;/percent&gt;         &lt;/delay-buffer-rate&gt;       &lt;/traffic-control-profiles&gt;     &lt;/class-of-service&gt;   &lt;/dynamic-profiles&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Delay buffer rate.
<b>Contents</b>	<p>&lt;percent&gt;—Delay buffer rate as a percentage.</p> <p>&lt;rate&gt;—Delay buffer rate as an absolute rate.</p>

## **<delivery-function> (configuration/services/pgcp/gateway/session-mirroring)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;pgcp&gt;       &lt;gateway&gt;         &lt;session-mirroring&gt;           &lt;delivery-function&gt;             &lt;name&gt;<i>name</i>&lt;/name&gt;    &lt;!-- identifier --&gt;           &lt;/delivery-function&gt;         &lt;/session-mirroring&gt;       &lt;/gateway&gt;     &lt;/pgcp&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Interface for delivering mirrored packets.
<b>Contents</b>	<name>—No documentation is available yet.

## <delivery-function> (configuration/services/pgcp/session-mirroring)

---

**Usage**

```

<configuration>
  <services>
    <pgcp>
      <session-mirroring>
        <delivery-function>
          <name>name</name>    <!-- identifier -->
          <destination-address>destination-address
                                </destination-address>    <!-- mandatory -->
          <destination-port>destination-port
                                </destination-port>    <!-- mandatory -->
          <network-operator-id>network-operator-id
                                </network-operator-id>    <!-- mandatory -->
          <source-address>source-address</source-address>    <!-- mandatory -->
          <source-port>source-port</source-port>    <!-- mandatory -->
          <memory-managment>...</memory-managment>
        </delivery-function>
      </session-mirroring>
    </pgcp>
  </services>
</configuration>

```

**Description** Interface for delivering mirrored packets.

**Contents** <destination-address>—Delivery function destination IP address.

<destination-port>—Delivery function destination port.

<memory-managment>—Measure memory usage.

<name>—Delivery function name.

<network-operator-id>—Network operator ID.

<source-address>—Network-element-id.

<source-port>—Network-element-port.

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

---

**Usage** `<configuration>  
     <dynamic-profiles>  
         <interfaces>  
             <interface>  
                 <unit>  
                     <demux-destination>  
                         <name>name</name>   <!-- identifier -->  
                     </demux-destination>  
                 </unit>  
             </interface>  
         </interfaces>  
     </dynamic-profiles>  
</configuration>`

**Description** Demux based on destination address.

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

- inet—Family inet.
- inet6—Family inet6.

## **<demux-destination> (configuration/dynamic-profiles/interfaces/interface/unit/family/inet)**

---

**Usage** `<configuration>  
     <dynamic-profiles>  
         <interfaces>  
             <interface>  
                 <unit>  
                     <family>  
                         <inet>  
                             <demux-destination>  
                                 <name>name</name>   <!-- identifier -->  
                             </demux-destination>  
                         </inet>  
                     </family>  
                 </unit>  
             </interface>  
         </interfaces>  
     </dynamic-profiles>  
</configuration>`

**Description** Demux based on destination prefix.

**Contents** <name>—Prefix.

**<demux-destination> (configuration/interfaces/interface/unit)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <unit>  
                 <demux-destination>  
                   <name>name</name>   <!-- identifier -->  
                 </demux-destination>  
               </unit>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** Demux based on destination address.

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

- inet—Family inet.
- inet6—Family inet6.

**<demux-destination> (configuration/interfaces/interface/unit/family/inet)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <unit>  
                 <family>  
                   <inet>  
                     <demux-destination>  
                       <name>name</name>   <!-- identifier -->  
                     </demux-destination>  
                   </inet>  
                 </family>  
               </unit>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** Demux based on destination prefix.

**Contents** <name>—Prefix.

## **<demux-destination> (configuration/logical-systems/interfaces/interface/unit)**

---

**Usage** `<configuration>  
     <logical-systems>  
         <interfaces>  
             <interface>  
                 <unit>  
                     <demux-destination>  
                         <name>name</name>   <!-- identifier -->  
                     </demux-destination>  
                 </unit>  
             </interface>  
         </interfaces>  
     </logical-systems>  
</configuration>`

**Description** Demux based on destination address.

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

- `inet`—Family inet.
- `inet6`—Family inet6.

## **<demux-destination> (configuration/logical-systems/interfaces/interface/unit/family/inet)**

---

**Usage** `<configuration>  
     <logical-systems>  
         <interfaces>  
             <interface>  
                 <unit>  
                     <family>  
                         <inet>  
                             <demux-destination>  
                                 <name>name</name>   <!-- identifier -->  
                             </demux-destination>  
                         </inet>  
                     </family>  
                 </unit>  
             </interface>  
         </interfaces>  
     </logical-systems>  
</configuration>`

**Description** Demux based on destination prefix.

**Contents** `<name>`—Prefix.

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

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <unit>  
           **<demux-options>**  
             <underlying-interface>*underlying-interface*  
             </underlying-interface>   <!-- mandatory -->  
           **</demux-options>**  
           </unit>  
         </interface>  
       </interfaces>  
     </dynamic-profiles>  
 </configuration>

**Description**   IP demux interface-specific options.

**Contents**    <underlying-interface>—Underlying interface name.

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

---

**Usage**   <configuration>  
           <interfaces>  
           <interface>  
           <unit>  
           **<demux-options>**  
             <underlying-interface>*underlying-interface*</underlying-interface>   <!--  
 mandatory -->  
           **</demux-options>**  
           </unit>  
         </interface>  
       </interfaces>  
 </configuration>

**Description**   IP demux interface-specific options.

**Contents**    <underlying-interface>—Underlying interface name.

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

---

**Usage**   <configuration>  
           <logical-systems>  
           <interfaces>  
           <interface>  
           <unit>  
           **<demux-options>**  
             <underlying-interface>*underlying-interface*  
             </underlying-interface>   <!-- mandatory -->  
           **</demux-options>**  
           </unit>  
           </interface>  
           </interfaces>  
           </logical-systems>  
           </configuration>

**Description**   IP demux interface-specific options.

**Contents**    <underlying-interface>—Underlying interface name.

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

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <unit>  
           **<demux-source>**  
             <name>*name*</name>   <!-- identifier -->  
           **</demux-source>**  
           </unit>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
           </configuration>

**Description**   Demux based on source address.

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

- inet—Family inet.
- inet6—Family inet6.

## **<demux-source> (configuration/dynamic-profiles/interfaces/interface/unit/family/inet)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <unit>  
           <family>  
           <inet>  
           **<demux-source>**  
             <name>*name*</name>   <!-- identifier -->  
           **</demux-source>**  
           </inet>  
           </family>  
           </unit>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description**   Demux based on source prefix.

**Contents**   <name>—Prefix.

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

---

**Usage**   <configuration>  
           <interfaces>  
           <interface>  
           <unit>  
           **<demux-source>**  
             <name>*name*</name>   <!-- identifier -->  
           **</demux-source>**  
           </unit>  
           </interface>  
           </interfaces>  
         </configuration>

**Description**   Demux based on source address.

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

- inet—Family inet.
- inet6—Family inet6.



## **<demux-source> (configuration/interfaces/interface/unit/family/inet)**

---

**Usage**   <configuration>  
           <interfaces>  
           <interface>  
           <unit>  
           <family>  
           <inet>  
           **<demux-source>**  
             <name>*name*</name>   <!-- identifier -->  
           **</demux-source>**  
           </inet>  
           </family>  
           </unit>  
           </interface>  
           </interfaces>  
         </configuration>

**Description**   Demux based on source prefix.

**Contents**      <name>—Prefix.

## **<demux-source> (configuration/logical-systems/interfaces/interface/unit)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <interfaces>  
           <interface>  
           <unit>  
           **<demux-source>**  
             <name>*name*</name>   <!-- identifier -->  
           **</demux-source>**  
           </unit>  
           </interface>  
           </interfaces>  
           </logical-systems>  
         </configuration>

**Description**   Demux based on source address.

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

- inet—Family inet.
- inet6—Family inet6.

## **<demux-source> (configuration/logical-systems/interfaces/interface/unit/family/inet)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <interfaces>  
           <interface>  
           <unit>  
           <family>  
           <inet>  
           **<demux-source>**  
             <name>*name*</name>   <!-- identifier -->  
           **</demux-source>**  
           </inet>  
           </family>  
           </unit>  
           </interface>  
           </interfaces>  
           </logical-systems>  
         </configuration>

**Description**   Demux based on source prefix.

**Contents**   <name>—Prefix.

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

---

**Usage**   <configuration>  
           <logical-systems>  
           <protocols>  
           <pim>  
           **<dense-groups>**  
             <name>*name*</name>   <!-- identifier -->  
             <reject/>  
             <announce/>  
           **</dense-groups>**  
           </pim>  
           </protocols>  
           </logical-systems>  
         </configuration>

**Description**   Dense mode groups for sparse-dense mode.

**Contents**   <announce>—Advertise as negative prefix in auto-RP announce messages.  
               <name>—Group address or range to forward in dense mode.  
               <reject>—Do not include prefix as dense mode; force sparse mode.

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

---

**Usage** <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <pim>  
             **<dense-groups>**  
               <name>*name*</name>   <!-- identifier -->  
               <reject/>  
               <announce/>  
             **</dense-groups>**  
           </pim>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description** Dense mode groups for sparse-dense mode.

**Contents** <announce>—Advertise as negative prefix in auto-RP announce messages.

          <name>—Group address or range to forward in dense mode.

          <reject>—Do not include prefix as dense mode; force sparse mode.

## **<dense-groups> (configuration/protocols/pim)**

---

**Usage** <configuration>  
           <protocols>  
           <pim>  
             **<dense-groups>**  
               <name>*name*</name>   <!-- identifier -->  
               <reject/>  
               <announce/>  
             **</dense-groups>**  
           </pim>  
           </protocols>  
           </configuration>

**Description** Dense mode groups for sparse-dense mode.

**Contents** <announce>—Advertise as negative prefix in auto-RP announce messages.

          <name>—Group address or range to forward in dense mode.

          <reject>—Do not include prefix as dense mode; force sparse mode.

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

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <protocols>  
                 <pim>  
                     **<dense-groups>**  
                         <name>*name*</name>   <!-- identifier -->  
                         <reject/>  
                         <announce/>  
                     **</dense-groups>**  
                 </pim>  
             </protocols>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Dense mode groups for sparse-dense mode.

**Contents** <announce>—Advertise as negative prefix in auto-RP announce messages.

<name>—Group address or range to forward in dense mode.

<reject>—Do not include prefix as dense mode; force sparse mode.

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

---

**Usage** <configuration>  
     <event-options>  
         <policy>  
             <then>  
                 <event-script>  
                     **<destination>**  
                         <name>*name*</name>   <!-- identifier -->  
                         <transfer-delay>*seconds*</transfer-delay>  
                         <retry-count>...</retry-count>  
                     **</destination>**  
                 </event-script>  
             </then>  
         </policy>  
     </event-options>  
 </configuration>

**Description** Location to which to upload event script output.

**Contents** <name>—Location to which to upload event script output.

<retry-count>—Upload output-filename retry attempt count.

<transfer-delay>—Delay before uploading files.

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

---

**Usage**   <configuration>  
           <event-options>  
           <policy>  
           <then>  
           <execute-commands>  
             **<destination>**  
               <name>*name*</name>   <!-- identifier -->  
               <transfer-delay>*seconds*</transfer-delay>  
               <retry-count>...</retry-count>  
             **</destination>**  
           </execute-commands>  
         </then>  
       </policy>  
   </event-options>  
</configuration>

**Description**   Location to which to upload command output.

**Contents**   <name>—Location to which to upload command output.  
               <retry-count>—Upload output-filename retry attempt count.  
               <transfer-delay>—Delay before uploading file to the destination.

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

---

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

**Description**   Destination for system accounting records.

**Contents**   <radius>—Configure RADIUS accounting.  
               <tacplus>—Send TACACS+ accounting records.

**<destination> (configuration/system/backup-router)**

---

**Usage** <configuration>  
           <system>  
             <backup-router>  
               <destination>  
                 <name>*name*</name>   <!-- identifier -->  
               </destination>  
             </backup-router>  
           </system>  
         </configuration>

**Description** Destination network reachable through the router.

**Contents** <name>—Destination network reachable through the router.

**<destination-address> (configuration/firewall/family/ethernet-switching/filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
             <family>  
               <ethernet-switching>  
                 <filter>  
                   <term>  
                     <from>  
                       <destination-address>  
                         <name>*name*</name>   <!-- identifier -->  
                         <except/>  
                       </destination-address>  
                     </from>  
                   </term>  
                 </filter>  
               </ethernet-switching>  
             </family>  
           </firewall>  
         </configuration>

**Description** Match IP destination address.

**Contents** <except>—Match address not in this prefix.

<name>—Prefix to match.

## **<destination-address> (configuration/firewall/family/inet/filter/term/from)**

---

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

**Description**   Match IP destination address.

**Contents**   <except>—Match address not in this prefix.

          <name>—Prefix to match.

## **<destination-address> (configuration/firewall/family/inet/service-filter/term/from)**

---

**Usage** <configuration>  
     <firewall>  
         <family>  
             <inet>  
                 <service-filter>  
                     <term>  
                         <from>  
                             **<destination-address>**  
                                 <name>*name*</name>   <!-- identifier -->  
                                 <except/>  
                             **</destination-address>**  
                         </from>  
                     </term>  
                 </service-filter>  
             </inet>  
         </family>  
     </firewall>  
</configuration>

**Description** Match IP destination address.

**Contents** <except>—Match address not in this prefix.

    <name>—Prefix to match.

## **<destination-address> (configuration/firewall/family/inet/simple-filter/term/from)**

---

**Usage** <configuration>  
     <firewall>  
         <family>  
             <inet>  
                 <simple-filter>  
                     <term>  
                         <from>  
                             **<destination-address>**  
                                 <address>*address*</address>  
                             **</destination-address>**  
                         </from>  
                     </term>  
                 </simple-filter>  
             </inet>  
         </family>  
     </firewall>  
</configuration>

**Description** Destination IP address.

**Contents** <address>—Prefix to match.



## **<destination-address> (configuration/firewall/family/inet6/filter/term/from)**

---

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

**Description**   Match destination address.

**Contents**   <except>—Match address not in this prefix.

          <name>—Prefix to match.

## **<destination-address> (configuration/firewall/family/inet6/service-filter/term/from)**

---

**Usage** <configuration>  
     <firewall>  
         <family>  
             <inet6>  
                 <service-filter>  
                     <term>  
                         <from>  
                             **<destination-address>**  
                                 <name>*name*</name>   <!-- identifier -->  
                                 <except/>  
                             **</destination-address>**  
                         </from>  
                     </term>  
                 </service-filter>  
             </inet6>  
         </family>  
     </firewall>  
</configuration>

**Description** Match destination address.

**Contents** <except>—Match address not in this prefix.

    <name>—Prefix to match.

## **<destination-address> (configuration/firewall/filter/term/from)**

---

**Usage** <configuration>  
     <firewall>  
         <filter>  
             <term>  
                 <from>  
                     **<destination-address>**  
                         <name>*name*</name>   <!-- identifier -->  
                         <except/>  
                     **</destination-address>**  
                 </from>  
             </term>  
         </filter>  
     </firewall>  
</configuration>

**Description** Match IP destination address.

**Contents** <except>—Match address not in this prefix.

    <name>—Prefix to match.

## **<destination-address> (configuration/logical-systems/firewall/family/ethernet-switching/filter/term/from)**

---

**Usage** <configuration>  
           <logical-systems>  
           <firewall>  
           <family>  
           <ethernet-switching>  
           <filter>  
           <term>  
           <from>  
             **<destination-address>**  
               <name>*name*</name>   <!-- identifier -->  
               <except/>  
             **</destination-address>**  
           </from>  
           </term>  
           </filter>  
           </ethernet-switching>  
           </family>  
           </firewall>  
           </logical-systems>  
           </configuration>

**Description** Match IP destination address.

**Contents** <except>—Match address not in this prefix.

<name>—Prefix to match.

**<destination-address> (configuration/logical-systems/firewall/family/inet/filter/term/from)**

---

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

**Description**   Match IP destination address.

**Contents**   <except>—Match address not in this prefix.

          <name>—Prefix to match.

## **<destination-address> (configuration/logical-systems/firewall/family/inet/service-filter/term/from)**

---

**Usage** <configuration>  
           <logical-systems>  
           <firewall>  
           <family>  
           <inet>  
           <service-filter>  
           <term>  
           <from>  
             **<destination-address>**  
               <name>name</name>   <!-- identifier -->  
               <except/>  
             **</destination-address>**  
           </from>  
           </term>  
           </service-filter>  
           </inet>  
           </family>  
           </firewall>  
           </logical-systems>  
           </configuration>

**Description** Match IP destination address.

**Contents** <except>—Match address not in this prefix.

<name>—Prefix to match.

**<destination-address> (configuration/logical-systems/firewall/family/inet/simple-filter/term/from)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <firewall>  
          <family>  
          <inet>  
          <simple-filter>  
          <term>  
          <from>  
              **<destination-address>**  
              <address>address</address>  
              **</destination-address>**  
          </from>  
          </term>  
          </simple-filter>  
          </inet>  
          </family>  
          </firewall>  
          </logical-systems>  
          </configuration>

**Description**   Destination IP address.

**Contents**   <address>—Prefix to match.

## **<destination-address> (configuration/logical-systems/firewall/family/inet6/filter/term/from)**

---

**Usage**   <configuration>  
               <logical-systems>  
               <firewall>  
               <family>  
               <inet6>  
               <filter>  
               <term>  
               <from>  
                   **<destination-address>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <except/>  
                   **</destination-address>**  
               </from>  
               </term>  
               </filter>  
               </inet6>  
               </family>  
               </firewall>  
               </logical-systems>  
               </configuration>

**Description**   Match destination address.

**Contents**   <except>—Match address not in this prefix.

              <name>—Prefix to match.

**<destination-address> (configuration/logical-systems/firewall/family/inet6/service-filter/term/from)**

---

**Usage** <configuration>  
    <logical-systems>  
        <firewall>  
            <family>  
                <inet6>  
                    <service-filter>  
                        <term>  
                            <from>  
                                **<destination-address>**  
                                    <name>name</name>   <!-- identifier -->  
                                    <except/>  
                                **</destination-address>**  
                            </from>  
                        </term>  
                    </service-filter>  
                </inet6>  
            </family>  
        </firewall>  
    </logical-systems>  
</configuration>

**Description** Match destination address.

**Contents** <except>—Match address not in this prefix.

<name>—Prefix to match.



## **<destination-address> (configuration/logical-systems/firewall/filter/term/from)**

---

**Usage** <configuration>  
           <logical-systems>  
           <firewall>  
           <filter>  
           <term>  
           <from>  
               **<destination-address>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <except/>  
               **</destination-address>**  
           </from>  
           </term>  
           </filter>  
           </firewall>  
           </logical-systems>  
           </configuration>

**Description** Match IP destination address.

**Contents** <except>—Match address not in this prefix.

<name>—Prefix to match.

**<destination-address> (configuration/services/cos/rule/term/from)**

---

**Usage** <configuration>  
    <services>  
        <cos>  
            <rule>  
                <term>  
                    <from>  
                        **<destination-address>**  
                            <name>*name*</name>   <!-- identifier -->  
                            <except/>  
                        **</destination-address>**  
                    </from>  
                </term>  
            </rule>  
        </cos>  
    </services>  
</configuration>

**Description** Match IP destination address.

**Contents** <except>—Match address not in this prefix.

<name>—Match IP address.

- any-unicast—Match any unicast address.
- prefix—Prefix to match.

**<destination-address> (configuration/services/ids/rule/term/from)**

---

**Usage** <configuration>  
           <services>  
             <ids>  
               <rule>  
                 <term>  
                   <from>  
                     **<destination-address>**  
                       <name>*name*</name>   <!-- identifier -->  
                       <except/>  
                     **</destination-address>**  
                   </from>  
                 </term>  
               </rule>  
             </ids>  
           </services>  
         </configuration>

**Description** Match IP destination address.

**Contents** <except>—Match address not in this prefix.

          <name>—Match IP address.

- any-unicast—Match any unicast address.
- prefix—Prefix to match.

**<destination-address> (configuration/services/ipsec-vpn/rule/term/from)**

---

**Usage** <configuration>  
           <services>  
             <ipsec-vpn>  
               <rule>  
                 <term>  
                   <from>  
                     **<destination-address>**  
                       <name>*name*</name>   <!-- identifier -->  
                     **</destination-address>**  
                   </from>  
                 </term>  
               </rule>  
             </ipsec-vpn>  
           </services>  
         </configuration>

**Description** Match IP destination address.

**Contents** <name>—Prefix to match.

**<destination-address> (configuration/services/nat/rule/term/from)**

---

**Usage** <configuration>  
           <services>  
             <nat>  
               <rule>  
                 <term>  
                   <from>  
                     **<destination-address>**  
                       <name>*name*</name>   <!-- identifier -->  
                       <except/>  
                     **</destination-address>**  
                   </from>  
                 </term>  
               </rule>  
             </nat>  
           </services>  
         </configuration>

**Description** Match IP destination address.

**Contents** <except>—Match address not in this prefix.

<name>—Match IP address.

- any-unicast—Match any unicast address.
- prefix—Prefix to match.

## **<destination-address> (configuration/services/stateful-firewall/rule/term/from)**

---

**Usage** <configuration>  
           <services>  
             <stateful-firewall>  
               <rule>  
                 <term>  
                   <from>  
                     **<destination-address>**  
                       <name>*name*</name>   <!-- identifier -->  
                       <except/>  
                     **</destination-address>**  
                   </from>  
                 </term>  
               </rule>  
             </stateful-firewall>  
           </services>  
         </configuration>

**Description** Match IP destination address.

**Contents** <except>—Match address not in this prefix.

<name>—Match IP address.

- any-unicast—Match any unicast address.
- prefix—Prefix to match.

**<destination-address-range> (configuration/services/cos/rule/term/from)**

---

**Usage**   <configuration>  
          <services>  
          <cos>  
          <rule>  
          <term>  
          <from>  
            **<destination-address-range>**  
              <low>*low*</low>   <!-- identifier -->  
              <high>*high*</high>   <!-- identifier -->  
              <except/>  
            **</destination-address-range>**  
          </from>  
          </term>  
          </rule>  
          </cos>  
          </services>  
        </configuration>

**Description**   Match IP destination address range.

**Contents**   <except>—Match address not in this prefix.

          <high>—Upper limit of address range.

          <low>—Lower limit of address range.

## **<destination-address-range> (configuration/services/ids/rule/term/from)**

---

**Usage**   <configuration>  
           <services>  
           <ids>  
           <rule>  
           <term>  
           <from>  
               **<destination-address-range>**  
                   <low>*low*</low>   <!-- identifier -->  
                   <high>*high*</high>   <!-- identifier -->  
                   <except/>  
               **</destination-address-range>**  
           </from>  
           </term>  
           </rule>  
           </ids>  
           </services>  
         </configuration>

**Description**   Match IP destination address range.

**Contents**   <except>—Match address not in this prefix.

          <high>—Upper limit of address range.

          <low>—Lower limit of address range.

## **<destination-address-range> (configuration/services/nat/rule/term/from)**

---

**Usage**   <configuration>  
           <services>  
           <nat>  
           <rule>  
           <term>  
           <from>  
             **<destination-address-range>**  
               <low>*low*</low>   <!-- identifier -->  
               <high>*high*</high>   <!-- identifier -->  
               <except/>  
             **</destination-address-range>**  
           </from>  
           </term>  
           </rule>  
           </nat>  
           </services>  
         </configuration>

**Description**   Match IP destination address range.

**Contents**   <except>—Match address not in this prefix.

          <high>—Upper limit of address range.

          <low>—Lower limit of address range.



## **<destination-address-range> (configuration/services/stateful-firewall/rule/term/from)**

---

**Usage** `<configuration>  
     <services>  
         <stateful-firewall>  
             <rule>  
                 <term>  
                     <from>  
                         <destination-address-range>  
                             <low>low</low>   <!-- identifier -->  
                             <high>high</high>   <!-- identifier -->  
                             <except/>  
                         </destination-address-range>  
                     </from>  
                 </term>  
             </rule>  
         </stateful-firewall>  
     </services>  
</configuration>`

**Description** Match IP destination address range.

**Contents** `<except>`—Match address not in this prefix.

`<high>`—Upper limit of address range.

`<low>`—Lower limit of address range.

## **<destination-class> (configuration/firewall/family/inet/filter/term/from)**

---

**Usage** `<configuration>  
     <firewall>  
         <family>  
             <inet>  
                 <filter>  
                     <term>  
                         <from>  
                             <destination-class>  
                                 <name>name</name>   <!-- identifier -->  
                             </destination-class>  
                         </from>  
                     </term>  
                 </filter>  
             </inet>  
         </family>  
     </firewall>  
</configuration>`

**Description** Match destination class.

**Contents** `<name>`—String name.

## **<destination-class> (configuration/firewall/family/inet6/filter/term/from)**

---

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

**Description** Match destination class.

**Contents** <name>—String name.

## **<destination-class> (configuration/firewall/filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
             <filter>  
               <term>  
                 <from>  
                   **<destination-class>**  
                     <name>*name*</name>   <!-- identifier -->  
                   **</destination-class>**  
                 </from>  
               </term>  
             </filter>  
           </firewall>  
         </configuration>

**Description** Match destination class.

**Contents** <name>—String name.

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

---

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

**Description** Match destination class.

**Contents** <name>—String name.

## **<destination-class> (configuration/logical-systems/firewall/family/inet6/filter/term/from)**

---

**Usage** <configuration>  
           <logical-systems>  
           <firewall>  
           <family>  
           <inet6>  
           <filter>  
           <term>  
           <from>  
               **<destination-class>**  
                   <name>name</name>   <!-- identifier -->  
               **</destination-class>**  
           </from>  
           </term>  
           </filter>  
           </inet6>  
           </family>  
           </firewall>  
           </logical-systems>  
           </configuration>

**Description** Match destination class.

**Contents** <name>—String name.

## **<destination-class> (configuration/logical-systems/firewall/filter/term/from)**

---

**Usage** <configuration>  
           <logical-systems>  
             <firewall>  
               <filter>  
                 <term>  
                   <from>  
                     **<destination-class>**  
                       <name>*name*</name>   <!-- identifier -->  
                     **</destination-class>**  
                   </from>  
                 </term>  
               </filter>  
             </firewall>  
           </logical-systems>  
         </configuration>

**Description** Match destination class.

**Contents** <name>—String name.

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

---

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

**Description** Do not match destination class.

**Contents** <name>—String name.

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

---

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

**Description** Do not match destination class.

**Contents** <name>—String name.

## **<destination-class-except> (configuration/firewall/filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
             <filter>  
               <term>  
                 <from>  
                   **<destination-class-except>**  
                     <name>*name*</name>   <!-- identifier -->  
                   **</destination-class-except>**  
                 </from>  
               </term>  
             </filter>  
           </firewall>  
         </configuration>

**Description** Do not match destination class.

**Contents** <name>—String name.

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

---

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

**Description** Do not match destination class.

**Contents** <name>—String name.

## **<destination-class-except> (configuration/logical-systems/firewall/family/inet6/filter/term/from)**

---

**Usage** <configuration>  
     <logical-systems>  
         <firewall>  
             <family>  
                 <inet6>  
                     <filter>  
                         <term>  
                             <from>  
                                 **<destination-class-except>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</destination-class-except>**  
                             </from>  
                         </term>  
                     </filter>  
                 </inet6>  
             </family>  
         </firewall>  
     </logical-systems>  
 </configuration>

**Description** Do not match destination class.

**Contents** <name>—String name.

## **<destination-class-except> (configuration/logical-systems/firewall/filter/term/from)**

---

**Usage** <configuration>  
           <logical-systems>  
           <firewall>  
           <filter>  
           <term>  
           <from>  
             **<destination-class-except>**  
               <name>*name*</name>   <!-- identifier -->  
             **</destination-class-except>**  
           </from>  
         </term>  
       </filter>  
     </firewall>  
 </logical-systems>  
</configuration>

**Description** Do not match destination class.

**Contents** <name>—String name.

## **<destination-classes> (configuration/accounting-options/class-usage-profile)**

---

**Usage** <configuration>  
           <accounting-options>  
           <class-usage-profile>  
             **<destination-classes>**  
               <name>*name*</name>   <!-- identifier -->  
             **</destination-classes>**  
           </class-usage-profile>  
         </accounting-options>  
 </configuration>

**Description** Name of destination class.

**Contents** <name>—Class name.

## **<destination-mac-address> (configuration/firewall/family/bridge/filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
             <family>  
               <bridge>  
                 <filter>  
                   <term>  
                     <from>  
                       **<destination-mac-address>**  
                         <name>*name*</name>   <!-- identifier -->  
                         <except/>  
                       **</destination-mac-address>**  
                     </from>  
                   </term>  
                 </filter>  
               </bridge>  
             </family>  
           </firewall>  
         </configuration>

**Description** Destination MAC address.

**Contents** <except>—Match MAC address not in this range.

          <name>—MAC address to match.

## **<destination-mac-address> (configuration/firewall/family/ethernet-switching/filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
             <family>  
               <ethernet-switching>  
                 <filter>  
                   <term>  
                     <from>  
                       **<destination-mac-address>**  
                         <name>*name*</name>   <!-- identifier -->  
                       **</destination-mac-address>**  
                     </from>  
                   </term>  
                 </filter>  
               </ethernet-switching>  
             </family>  
           </firewall>  
         </configuration>

**Description** Match MAC destination address.

**Contents** <name>—MAC address to match.



## **<destination-mac-address> (configuration/firewall/family/vpls/ filter/term/from)**

---

**Usage**   <configuration>  
           <firewall>  
           <family>  
           <vpls>  
           <filter>  
           <term>  
           <from>  
             **<destination-mac-address>**  
               <name>*name*</name>   <!-- identifier -->  
               <except/>  
             **</destination-mac-address>**  
           </from>  
           </term>  
           </filter>  
           </vpls>  
           </family>  
           </firewall>  
         </configuration>

**Description**   Destination MAC address.

**Contents**   <except>—Match MAC address not in this range.

          <name>—MAC address to match.

## **<destination-mac-address> (configuration/logical-systems/firewall/family/bridge/filter/term/from)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <bridge>
          <filter>
            <term>
              <from>
                <destination-mac-address>
                  <name>name</name>    <!-- identifier -->
                  <except/>
                </destination-mac-address>
              </from>
            </term>
          </filter>
        </bridge>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Destination MAC address.

**Contents** <except>—Match MAC address not in this range.

<name>—MAC address to match.

## **<destination-mac-address> (configuration/logical-systems/ firewall/family/ethernet-switching/filter/term/from)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <firewall>  
           <family>  
           <ethernet-switching>  
           <filter>  
           <term>  
           <from>  
             **<destination-mac-address>**  
               <name>*name*</name>   <!-- identifier -->  
             **</destination-mac-address>**  
           </from>  
           </term>  
           </filter>  
           </ethernet-switching>  
           </family>  
           </firewall>  
           </logical-systems>  
           </configuration>

**Description**   Match MAC destination address.

**Contents**   <name>—MAC address to match.

## **<destination-mac-address> (configuration/logical-systems/firewall/family/vpls/filter/term/from)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <vpls>
          <filter>
            <term>
              <from>
                <destination-mac-address>
                  <name>name</name>    <!-- identifier -->
                  <except/>
                </destination-mac-address>
              </from>
            </term>
          </filter>
        </vpls>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Destination MAC address.

**Contents** <except>—Match MAC address not in this range.

<name>—MAC address to match.

## **<destination-networks> (configuration/logical-systems/routing-instances/instance/routing-options/dynamic-tunnels/dynamic-tunnel)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <routing-options>  
           <dynamic-tunnels>  
           <dynamic-tunnel>  
             **<destination-networks>**  
               <name>*name*</name>   <!-- identifier -->  
             **</destination-networks>**  
           </dynamic-tunnel>  
           </dynamic-tunnels>  
           </routing-options>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
         </configuration>

**Description**   Create tunnels for routes in these destination networks.

**Contents**   <name>—Network prefix.

## **<destination-networks> (configuration/logical-systems/routing-options/dynamic-tunnels/dynamic-tunnel)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-options>  
           <dynamic-tunnels>  
           <dynamic-tunnel>  
             **<destination-networks>**  
               <name>*name*</name>   <!-- identifier -->  
             **</destination-networks>**  
           </dynamic-tunnel>  
           </dynamic-tunnels>  
           </routing-options>  
           </logical-systems>  
         </configuration>

**Description**   Create tunnels for routes in these destination networks.

**Contents**   <name>—Network prefix.

## **<destination-networks> (configuration/routing-instances/instance/routing-options/dynamic-tunnels/dynamic-tunnel)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <routing-options>  
                 <dynamic-tunnels>  
                     <dynamic-tunnel>  
                         **<destination-networks>**  
                             <name>name</name>   <!-- identifier -->  
                         **</destination-networks>**  
                     </dynamic-tunnel>  
                 </dynamic-tunnels>  
             </routing-options>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Create tunnels for routes in these destination networks.

**Contents** <name>—Network prefix.

## **<destination-networks> (configuration/routing-options/dynamic-tunnels/dynamic-tunnel)**

---

**Usage** <configuration>  
     <routing-options>  
         <dynamic-tunnels>  
             <dynamic-tunnel>  
                 **<destination-networks>**  
                     <name>name</name>   <!-- identifier -->  
                 **</destination-networks>**  
             </dynamic-tunnel>  
         </dynamic-tunnels>  
     </routing-options>  
 </configuration>

**Description** Create tunnels for routes in these destination networks.

**Contents** <name>—Network prefix.

**<destination-override> (configuration/system/tracing)**

---

**Usage**   <configuration>  
          <system>  
          <tracing>  
            **<destination-override>**  
              <syslog>...</syslog>  
            **</destination-override>**  
          </tracing>  
        </system>  
      </configuration>

**Description**   Override tracing destination.

**Contents**   <syslog>—Send trace messages to remote syslog server.

## **<destination-port> (configuration/firewall/family/bridge/filter/term/from)**

---

**Usage**

```
<configuration>
  <firewall>
    <family>
      <bridge>
        <filter>
          <term>
            <from>
              <destination-port>
                <name>name</name>    <!-- identifier -->
              </destination-port>
            </from>
          </term>
        </filter>
      </bridge>
    </family>
  </firewall>
</configuration>
```

**Description** Match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.



- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.

- `range`—Range of values.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

## **<destination-port> (configuration/firewall/family/ethernet-switching/filter/term/from)**

---

**Usage** <configuration>  
     <firewall>  
         <family>  
             <ethernet-switching>  
                 <filter>  
                     <term>  
                         <from>  
                             **<destination-port>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</destination-port>**  
                         </from>  
                     </term>  
                 </filter>  
             </ethernet-switching>  
         </family>  
     </firewall>  
</configuration>

**Description** Match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.

- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.

- `range`—Range of values.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

## **<destination-port> (configuration/firewall/family/inet/filter/term/from)**

---

**Usage**

```
<configuration>
  <firewall>
    <family>
      <inet>
        <filter>
          <term>
            <from>
              <destination-port>
                <name>name</name>    <!-- identifier -->
              </destination-port>
            </from>
          </term>
        </filter>
      </inet>
    </family>
  </firewall>
</configuration>
```

**Description** Match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.

- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.

- `range`—Range of values.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.



## **<destination-port> (configuration/firewall/family/inet/service-filter/term/from)**

---

**Usage** <configuration>  
     <firewall>  
         <family>  
             <inet>  
                 <service-filter>  
                     <term>  
                         <from>  
                             **<destination-port>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</destination-port>**  
                         </from>  
                     </term>  
                 </service-filter>  
             </inet>  
         </family>  
     </firewall>  
</configuration>

**Description** Match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.

- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.

- `range`—Range of values.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

## **<destination-port> (configuration/firewall/family/inet/simple-filter/term/from)**

---

```

Usage  <configuration>
      <firewall>
      <family>
      <inet>
      <simple-filter>
      <term>
      <from>
      <destination-port>
      <ftp-data/>
      <ftp/>
      <ssh/>
      <telnet/>
      <smtp/>
      <tacacs/>
      <tacacs-ds/>
      <domain/>
      <dhcp/>
      <bootps/>
      <bootpc/>
      <tftp/>
      <finger/>
      <http/>
      <kerberos-sec/>
      <pop3/>
      <sunrpc/>
      <ident/>
      <nntp/>
      <ntp/>
      <netbios-ns/>
      <netbios-dgm/>
      <netbios-ssn/>
      <imap/>
      <snmp/>
      <snmptrap/>
      <xdmcp/>
      <bgp/>
      <ldap/>
      <mobileip-agent/>
      <mobilip-mn/>
      <msdp/>
      <https/>
      <snpp/>
      <biff/>
      <exec/>
      <login/>
      <who/>
      <cmd/>
      <syslog/>
      <printer/>
      <talk/>
      <ntalk/>

```

```

        <rip/>
        <timed/>
        <klogin/>
        <kshell/>
        <ldp/>
        <krb-prop/>
        <krbupdate/>
        <kpasswd/>
        <socks/>
        <afs/>
        <pptp/>
        <radius/>
        <radacct/>
        <nfsd/>
        <eklogin/>
        <ekshell/>
        <rkinit/>
        <cvspserver/>
        <range/>
    </destination-port>
</from>
</term>
</simple-filter>
</inet>
</family>
</firewall>
</configuration>

```

**Description** Match TCP/UDP destination port.

**Contents** <afs>—AFS.

<bgp>—Border Gateway Protocol.

<biff>—Biff/Comsat.

<bootpc>—Bootstrap protocol client.

<bootps>—Bootstrap protocol server.

<cmd>—UNIX rsh.

<cvspserver>—CVS pserver.

<dhcp>—Dynamic Host Configuration Protocol.

<domain>—Domain Name System (DNS).

<eklogin>—Encrypted Kerberos rlogin.

<ekshell>—Encrypted Kerberos rsh.

<exec>—UNIX rexec.

<finger>—Finger.

<ftp>—FTP.

<ftp-data>—FTP data.

<http>—Hypertext Transfer Protocol.

<https>—Secure HTTP.

<ident>—Ident.

<imap>—Internet Message Access Protocol.

<kerberos-sec>—Kerberos Security.

<klogin>—Kerberos rlogin.

<kpasswd>—Kerberos passwd.

<krb-prop>—Kerberos database propagation.

<krbupdate>—Kerberos database update.

<kshell>—Kerberos rsh.

<ldap>—Lightweight Directory Access Protocol.

<ldp>—Label Distribution Protocol.

<login>—UNIX rlogin.

<mobileip-agent>—Mobile IP agent.

<mobilip-mn>—Mobile IP MN.

<msdp>—Multicast Source Discovery Protocol.

<netbios-dgm>—NetBIOS DGM.

<netbios-ns>—NetBIOS name service.

<netbios-ssn>—NetBIOS session service.

<nfsd>—Network File System.

<nntp>—Network News Transport Protocol.

<ntalk>—New Talk.

<ntp>—Network Time Protocol.

<pop3>—Post Office Protocol 3.

<pptp>—Point-to-Point Tunneling Protocol.

<printer>—Printer.

<radacct>—RADIUS accounting.  
 <radius>—RADIUS authentication.  
 <range>—Range of values.  
 <rip>—Routing Information Protocol.  
 <rkinit>—Kerberos remote kinit.  
 <smtp>—Simple Mail Transfer Protocol.  
 <snmp>—Simple Network Management Protocol.  
 <snmptrap>—SNMP traps.  
 <snpp>—Simple paging protocol.  
 <socks>—Socks.  
 <ssh>—Secure shell.  
 <sunrpc>—Sun Microsystems remote procedure call.  
 <syslog>—System log.  
 <tacacs>—TACACS or TACACS + .  
 <tacacs-ds>—TACACS-DS.  
 <talk>—UNIX Talk.  
 <telnet>—Telnet.  
 <tftp>—Trivial FTP.  
 <timed>—UNIX time daemon.  
 <who>—UNIX rwho.  
 <xdmcp>—X Display Manager Control Protocol.

## **<destination-port> (configuration/firewall/family/inet6/filter/term/from)**

---

**Usage**

```

<configuration>
  <firewall>
    <family>
      <inet6>
        <filter>
          <term>
            <from>
              <destination-port>
                <name>name</name>    <!-- identifier -->
              </destination-port>
            </from>
          </term>
        </filter>
      </inet6>
    </family>
  </firewall>
</configuration>

```

**Description** Match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.



- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.

- `range`—Range of values.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

## **<destination-port> (configuration/firewall/family/inet6/service-filter/term/from)**

---

**Usage** <configuration>  
     <firewall>  
         <family>  
             <inet6>  
                 <service-filter>  
                     <term>  
                         <from>  
                             **<destination-port>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</destination-port>**  
                         </from>  
                     </term>  
                 </service-filter>  
             </inet6>  
         </family>  
     </firewall>  
</configuration>

**Description** Match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.

- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.

- `range`—Range of values.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

## **<destination-port> (configuration/firewall/family/vpls/filter/term/from)**

---

**Usage**

```

<configuration>
  <firewall>
    <family>
      <vpls>
        <filter>
          <term>
            <from>
              <destination-port>
                <name>name</name>    <!-- identifier -->
              </destination-port>
            </from>
          </term>
        </filter>
      </vpls>
    </family>
  </firewall>
</configuration>

```

**Description** Match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.

- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.

- `range`—Range of values.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.



**<destination-port> (configuration/firewall/filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
           <filter>  
           <term>  
           <from>  
               **<destination-port>**  
                   <name>*name*</name>   <!-- identifier -->  
               **</destination-port>**  
           </from>  
         </term>  
       </filter>  
     </firewall>  
 </configuration>

**Description** Match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.
- http—Hypertext Transfer Protocol.
- https—Secure HTTP.
- ident—Ident.

- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobilip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.
- `range`—Range of values.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.

- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX `rwho`.
- `xmcp`—X Display Manager Control Protocol.

## **<destination-port> (configuration/logical-systems/firewall/family/bridge/filter/term/from)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <bridge>
          <filter>
            <term>
              <from>
                <destination-port>
                  <name>name</name>    <!-- identifier -->
                </destination-port>
              </from>
            </term>
          </filter>
        </bridge>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.

- `ftp-data`—FTP data.
- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.

- radius—RADIUS authentication.
- range—Range of values.
- rip—Routing Information Protocol.
- rkinit—Kerberos remote kinit.
- smtp—Simple Mail Transfer Protocol.
- snmp—Simple Network Management Protocol.
- snmptrap—SNMP traps.
- snpp—Simple paging protocol.
- socks—Socks.
- ssh—Secure shell.
- sunrpc—Sun Microsystems remote procedure call.
- syslog—System log.
- tacacs—TACACS or TACACS + .
- tacacs-ds—TACACS-DS.
- talk—UNIX Talk.
- telnet—Telnet.
- tftp—Trivial FTP.
- timed—UNIX time daemon.
- who—UNIX rwho.
- xdmcp—X Display Manager Control Protocol.

## **<destination-port> (configuration/logical-systems/firewall/family/ethernet-switching/filter/term/from)**

---

**Usage** <configuration>  
     <logical-systems>  
         <firewall>  
             <family>  
                 <ethernet-switching>  
                     <filter>  
                         <term>  
                             <from>  
                                 **<destination-port>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</destination-port>**  
                             </from>  
                         </term>  
                     </filter>  
                 </ethernet-switching>  
             </family>  
         </firewall>  
     </logical-systems>  
</configuration>

**Description** Match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.

- ftp-data—FTP data.
- http—Hypertext Transfer Protocol.
- https—Secure HTTP.
- ident—Ident.
- imap—Internet Message Access Protocol.
- kerberos-sec—Kerberos Security.
- klogin—Kerberos rlogin.
- kpasswd—Kerberos passwd.
- krb-prop—Kerberos database propagation.
- krbupdate—Kerberos database update.
- kshell—Kerberos rsh.
- ldap—Lightweight Directory Access Protocol.
- ldap—Label Distribution Protocol.
- login—UNIX rlogin.
- mobileip-agent—Mobile IP agent.
- mobilip-mn—Mobile IP MN.
- msdp—Multicast Source Discovery Protocol.
- netbios-dgm—NetBIOS DGM.
- netbios-ns—NetBIOS name service.
- netbios-ssn—NetBIOS session service.
- nfsd—Network File System.
- nntp—Network News Transport Protocol.
- ntalk—New Talk.
- ntp—Network Time Protocol.
- pop3—Post Office Protocol 3.
- pptp—Point-to-Point Tunneling Protocol.
- printer—Printer.
- radacct—RADIUS accounting.



- radius—RADIUS authentication.
- range—Range of values.
- rip—Routing Information Protocol.
- rkinit—Kerberos remote kinit.
- smtp—Simple Mail Transfer Protocol.
- snmp—Simple Network Management Protocol.
- snmptrap—SNMP traps.
- snpp—Simple paging protocol.
- socks—Socks.
- ssh—Secure shell.
- sunrpc—Sun Microsystems remote procedure call.
- syslog—System log.
- tacacs—TACACS or TACACS + .
- tacacs-ds—TACACS-DS.
- talk—UNIX Talk.
- telnet—Telnet.
- tftp—Trivial FTP.
- timed—UNIX time daemon.
- who—UNIX rwho.
- xdmcp—X Display Manager Control Protocol.

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

---

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

**Description** Match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.

- `ftp-data`—FTP data.
- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.

- radius—RADIUS authentication.
- range—Range of values.
- rip—Routing Information Protocol.
- rkinit—Kerberos remote kinit.
- smtp—Simple Mail Transfer Protocol.
- snmp—Simple Network Management Protocol.
- snmptrap—SNMP traps.
- snpp—Simple paging protocol.
- socks—Socks.
- ssh—Secure shell.
- sunrpc—Sun Microsystems remote procedure call.
- syslog—System log.
- tacacs—TACACS or TACACS + .
- tacacs-ds—TACACS-DS.
- talk—UNIX Talk.
- telnet—Telnet.
- tftp—Trivial FTP.
- timed—UNIX time daemon.
- who—UNIX rwho.
- xdmcp—X Display Manager Control Protocol.

## **<destination-port> (configuration/logical-systems/firewall/family/inet/service-filter/term/from)**

---

**Usage** <configuration>  
     <logical-systems>  
         <firewall>  
             <family>  
                 <inet>  
                     <service-filter>  
                         <term>  
                             <from>  
                                 **<destination-port>**  
                                     <name>*name*</name>   <!-- identifier -->  
                                 **</destination-port>**  
                             </from>  
                         </term>  
                     </service-filter>  
                 </inet>  
             </family>  
         </firewall>  
     </logical-systems>  
</configuration>

**Description** Match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.

- ftp-data—FTP data.
- http—Hypertext Transfer Protocol.
- https—Secure HTTP.
- ident—Ident.
- imap—Internet Message Access Protocol.
- kerberos-sec—Kerberos Security.
- klogin—Kerberos rlogin.
- kpasswd—Kerberos passwd.
- krb-prop—Kerberos database propagation.
- krbupdate—Kerberos database update.
- kshell—Kerberos rsh.
- ldap—Lightweight Directory Access Protocol.
- ldp—Label Distribution Protocol.
- login—UNIX rlogin.
- mobileip-agent—Mobile IP agent.
- mobilip-mn—Mobile IP MN.
- msdp—Multicast Source Discovery Protocol.
- netbios-dgm—NetBIOS DGM.
- netbios-ns—NetBIOS name service.
- netbios-ssn—NetBIOS session service.
- nfsd—Network File System.
- nntp—Network News Transport Protocol.
- ntalk—New Talk.
- ntp—Network Time Protocol.
- pop3—Post Office Protocol 3.
- pptp—Point-to-Point Tunneling Protocol.
- printer—Printer.
- radacct—RADIUS accounting.

- radius—RADIUS authentication.
- range—Range of values.
- rip—Routing Information Protocol.
- rkinit—Kerberos remote kinit.
- smtp—Simple Mail Transfer Protocol.
- snmp—Simple Network Management Protocol.
- snmptrap—SNMP traps.
- snpp—Simple paging protocol.
- socks—Socks.
- ssh—Secure shell.
- sunrpc—Sun Microsystems remote procedure call.
- syslog—System log.
- tacacs—TACACS or TACACS + .
- tacacs-ds—TACACS-DS.
- talk—UNIX Talk.
- telnet—Telnet.
- tftp—Trivial FTP.
- timed—UNIX time daemon.
- who—UNIX rwho.
- xdmcp—X Display Manager Control Protocol.

## **<destination-port> (configuration/logical-systems/firewall/family/inet/simple-filter/term/from)**

---

```

Usage  <configuration>
      <logical-systems>
      <firewall>
      <family>
      <inet>
      <simple-filter>
      <term>
      <from>
        <destination-port>
          <ftp-data/>
          <ftp/>
          <ssh/>
          <telnet/>
          <smtp/>
          <tacacs/>
          <tacacs-ds/>
          <domain/>
          <dhcp/>
          <bootps/>
          <bootpc/>
          <tftp/>
          <finger/>
          <http/>
          <kerberos-sec/>
          <pop3/>
          <sunrpc/>
          <ident/>
          <nntp/>
          <ntp/>
          <netbios-ns/>
          <netbios-dgm/>
          <netbios-ssn/>
          <imap/>
          <snmp/>
          <snmptrap/>
          <xdmcp/>
          <bgp/>
          <ldap/>
          <mobileip-agent/>
          <mobileip-mn/>
          <msdp/>
          <https/>
          <snpp/>
          <biff/>
          <exec/>
          <login/>
          <who/>
          <cmd/>
          <syslog/>
          <printer/>
          <talk/>

```



```

<ntalk/>
<rip/>
<timed/>
<klogin/>
<kshell/>
<ldp/>
<krb-prop/>
<krbupdate/>
<kpasswd/>
<socks/>
<afs/>
<pptp/>
<radius/>
<radacct/>
<nfsd/>
<eklogin/>
<ekshell/>
<rkinit/>
<cvspserver/>
<range/>
</destination-port>
</from>
</term>
</simple-filter>
</inet>
</family>
</firewall>
</logical-systems>
</configuration>

```

**Description** Match TCP/UDP destination port.

**Contents** <afs>—AFS.

<bgp>—Border Gateway Protocol.

<biff>—Biff/Comsat.

<bootpc>—Bootstrap protocol client.

<bootps>—Bootstrap protocol server.

<cmd>—UNIX rsh.

<cvspserver>—CVS pserver.

<dhcp>—Dynamic Host Configuration Protocol.

<domain>—Domain Name System (DNS).

<eklogin>—Encrypted Kerberos rlogin.

<ekshell>—Encrypted Kerberos rsh.

<exec>—UNIX rexec.

<finger>—Finger.  
 <ftp>—FTP.  
 <ftp-data>—FTP data.  
 <http>—Hypertext Transfer Protocol.  
 <https>—Secure HTTP.  
 <ident>—Ident.  
 <imap>—Internet Message Access Protocol.  
 <kerberos-sec>—Kerberos Security.  
 <klogin>—Kerberos rlogin.  
 <kpasswd>—Kerberos passwd.  
 <krb-prop>—Kerberos database propagation.  
 <krbupdate>—Kerberos database update.  
 <kshell>—Kerberos rsh.  
 <ldap>—Lightweight Directory Access Protocol.  
 <ldp>—Label Distribution Protocol.  
 <login>—UNIX rlogin.  
 <mobileip-agent>—Mobile IP agent.  
 <mobilip-mn>—Mobile IP MN.  
 <msdp>—Multicast Source Discovery Protocol.  
 <netbios-dgm>—NetBIOS DGM.  
 <netbios-ns>—NetBIOS name service.  
 <netbios-ssn>—NetBIOS session service.  
 <nfsd>—Network File System.  
 <nntp>—Network News Transport Protocol.  
 <ntalk>—New Talk.  
 <ntp>—Network Time Protocol.  
 <pop3>—Post Office Protocol 3.  
 <pptp>—Point-to-Point Tunneling Protocol.

<printer>—Printer.

<radacct>—RADIUS accounting.

<radius>—RADIUS authentication.

<range>—Range of values.

<rip>—Routing Information Protocol.

<rkinit>—Kerberos remote kinit.

<smtp>—Simple Mail Transfer Protocol.

<snmp>—Simple Network Management Protocol.

<snmptrap>—SNMP traps.

<snpp>—Simple paging protocol.

<socks>—Socks.

<ssh>—Secure shell.

<sunrpc>—Sun Microsystems remote procedure call.

<syslog>—System log.

<tacacs>—TACACS or TACACS + .

<tacacs-ds>—TACACS-DS.

<talk>—UNIX Talk.

<telnet>—Telnet.

<tftp>—Trivial FTP.

<timed>—UNIX time daemon.

<who>—UNIX rwho.

<xdmcp>—X Display Manager Control Protocol.

## **<destination-port> (configuration/logical-systems/firewall/family/inet6/filter/term/from)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <inet6>
          <filter>
            <term>
              <from>
                <destination-port>
                  <name>name</name>    <!-- identifier -->
                </destination-port>
              </from>
            </term>
          </filter>
        </inet6>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.

- `ftp-data`—FTP data.
- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.

- radius—RADIUS authentication.
- range—Range of values.
- rip—Routing Information Protocol.
- rkinit—Kerberos remote kinit.
- smtp—Simple Mail Transfer Protocol.
- snmp—Simple Network Management Protocol.
- snmptrap—SNMP traps.
- snpp—Simple paging protocol.
- socks—Socks.
- ssh—Secure shell.
- sunrpc—Sun Microsystems remote procedure call.
- syslog—System log.
- tacacs—TACACS or TACACS + .
- tacacs-ds—TACACS-DS.
- talk—UNIX Talk.
- telnet—Telnet.
- tftp—Trivial FTP.
- timed—UNIX time daemon.
- who—UNIX rwho.
- xdmcp—X Display Manager Control Protocol.

## **<destination-port> (configuration/logical-systems/firewall/family/inet6/service-filter/term/from)**

---

**Usage** <configuration>  
     <logical-systems>  
         <firewall>  
             <family>  
                 <inet6>  
                     <service-filter>  
                         <term>  
                             <from>  
                                 **<destination-port>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</destination-port>**  
                             </from>  
                         </term>  
                     </service-filter>  
                 </inet6>  
             </family>  
         </firewall>  
     </logical-systems>  
</configuration>

**Description** Match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.

- ftp-data—FTP data.
- http—Hypertext Transfer Protocol.
- https—Secure HTTP.
- ident—Ident.
- imap—Internet Message Access Protocol.
- kerberos-sec—Kerberos Security.
- klogin—Kerberos rlogin.
- kpasswd—Kerberos passwd.
- krb-prop—Kerberos database propagation.
- krbupdate—Kerberos database update.
- kshell—Kerberos rsh.
- ldap—Lightweight Directory Access Protocol.
- ldap—Label Distribution Protocol.
- login—UNIX rlogin.
- mobileip-agent—Mobile IP agent.
- mobilip-mn—Mobile IP MN.
- msdp—Multicast Source Discovery Protocol.
- netbios-dgm—NetBIOS DGM.
- netbios-ns—NetBIOS name service.
- netbios-ssn—NetBIOS session service.
- nfsd—Network File System.
- nntp—Network News Transport Protocol.
- ntalk—New Talk.
- ntp—Network Time Protocol.
- pop3—Post Office Protocol 3.
- pptp—Point-to-Point Tunneling Protocol.
- printer—Printer.
- radacct—RADIUS accounting.



- `radius`—RADIUS authentication.
- `range`—Range of values.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

## **<destination-port> (configuration/logical-systems/firewall/family/vpls/filter/term/from)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <vpls>
          <filter>
            <term>
              <from>
                <destination-port>
                  <name>name</name>    <!-- identifier -->
                </destination-port>
              </from>
            </term>
          </filter>
        </vpls>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.

- `ftp-data`—FTP data.
- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.

- radius—RADIUS authentication.
- range—Range of values.
- rip—Routing Information Protocol.
- rkinit—Kerberos remote kinit.
- smtp—Simple Mail Transfer Protocol.
- snmp—Simple Network Management Protocol.
- snmptrap—SNMP traps.
- snpp—Simple paging protocol.
- socks—Socks.
- ssh—Secure shell.
- sunrpc—Sun Microsystems remote procedure call.
- syslog—System log.
- tacacs—TACACS or TACACS + .
- tacacs-ds—TACACS-DS.
- talk—UNIX Talk.
- telnet—Telnet.
- tftp—Trivial FTP.
- timed—UNIX time daemon.
- who—UNIX rwho.
- xdmcp—X Display Manager Control Protocol.

## **<destination-port> (configuration/logical-systems/firewall/filter/term/from)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <firewall>  
           <filter>  
           <term>  
           <from>  
               **<destination-port>**  
                   <name>*name*</name>   <!-- identifier -->  
               **</destination-port>**  
           </from>  
           </term>  
           </filter>  
           </firewall>  
           </logical-systems>  
         </configuration>

**Description**   Match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.
- http—Hypertext Transfer Protocol.

- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobilip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.
- `range`—Range of values.

- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX `rwho`.
- `xmcp`—X Display Manager Control Protocol.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <routing-options>
          <flow>
            <route>
              <match>
                <destination-port>
                  <name>name</name>    <!-- identifier -->
                </destination-port>
              </match>
            </route>
          </flow>
        </routing-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Destination TCP/UDP port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- expression—No documentation is available yet.
- finger—Finger.



- `ftp`—FTP.
- `ftp-data`—FTP data.
- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.

- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xdmcp`—X Display Manager Control Protocol.

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

---

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

**Description** Destination TCP/UDP port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- expression—No documentation is available yet.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.

- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.

- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX `rwho`.
- `xmcp`—X Display Manager Control Protocol.

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

---

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

**Description**   Destination TCP/UDP port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- expression—No documentation is available yet.
- finger—Finger.
- ftp—FTP.

- `ftp-data`—FTP data.
- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.

- radius—RADIUS authentication.
- rip—Routing Information Protocol.
- rkinit—Kerberos remote kinit.
- smtp—Simple Mail Transfer Protocol.
- snmp—Simple Network Management Protocol.
- snmptrap—SNMP traps.
- snpp—Simple paging protocol.
- socks—Socks.
- ssh—Secure shell.
- sunrpc—Sun Microsystems remote procedure call.
- syslog—System log.
- tacacs—TACACS or TACACS + .
- tacacs-ds—TACACS-DS.
- talk—UNIX Talk.
- telnet—Telnet.
- tftp—Trivial FTP.
- timed—UNIX time daemon.
- who—UNIX rwho.
- xdmcp—X Display Manager Control Protocol.



## **<destination-port> (configuration/routing-options/flow/route/match)**

---

**Usage**   <configuration>  
           <routing-options>  
           <flow>  
           <route>  
           <match>  
             **<destination-port>**  
               <name>*name*</name>   <!-- identifier -->  
             **</destination-port>**  
           </match>  
         </route>  
       </flow>  
     </routing-options>  
 </configuration>

**Description**   Destination TCP/UDP port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- expression—No documentation is available yet.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.
- http—Hypertext Transfer Protocol.

- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobilip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.
- `rip`—Routing Information Protocol.

- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS+.
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX `rwho`.
- `xdmcp`—X Display Manager Control Protocol.

## **<destination-port-except> (configuration/firewall/family/bridge/filter/term/from)**

---

**Usage** <configuration>  
     <firewall>  
         <family>  
             <bridge>  
                 <filter>  
                     <term>  
                         <from>  
                             **<destination-port-except>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</destination-port-except>**  
                         </from>  
                     </term>  
                 </filter>  
             </bridge>  
         </family>  
     </firewall>  
</configuration>

**Description** Do not match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.

- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.

- `range`—Range of values.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

## **<destination-port-except> (configuration/firewall/family/ethernet-switching/filter/term/from)**

---

**Usage** <configuration>  
     <firewall>  
         <family>  
             <ethernet-switching>  
                 <filter>  
                     <term>  
                         <from>  
                             **<destination-port-except>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</destination-port-except>**  
                         </from>  
                     </term>  
                 </filter>  
             </ethernet-switching>  
         </family>  
     </firewall>  
</configuration>

**Description** Do not match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.

- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.



- `range`—Range of values.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

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

---

**Usage**

```

<configuration>
  <firewall>
    <family>
      <inet>
        <filter>
          <term>
            <from>
              <destination-port-except>
                <name>name</name>    <!-- identifier -->
              </destination-port-except>
            </from>
          </term>
        </filter>
      </inet>
    </family>
  </firewall>
</configuration>

```

**Description** Do not match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
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- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.

- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.

- `range`—Range of values.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

## **<destination-port-except> (configuration/firewall/family/inet/service-filter/term/from)**

---

**Usage** <configuration>  
     <firewall>  
         <family>  
             <inet>  
                 <service-filter>  
                     <term>  
                         <from>  
                             **<destination-port-except>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</destination-port-except>**  
                         </from>  
                     </term>  
                 </service-filter>  
             </inet>  
         </family>  
     </firewall>  
</configuration>

**Description** Do not match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.

- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
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- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.

- `range`—Range of values.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

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

---

**Usage**

```

<configuration>
  <firewall>
    <family>
      <inet6>
        <filter>
          <term>
            <from>
              <destination-port-except>
                <name>name</name>    <!-- identifier -->
              </destination-port-except>
            </from>
          </term>
        </filter>
      </inet6>
    </family>
  </firewall>
</configuration>

```

**Description** Do not match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.



- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
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- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.

- `range`—Range of values.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
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- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

## **<destination-port-except> (configuration/firewall/family/inet6/service-filter/term/from)**

---

**Usage** <configuration>  
     <firewall>  
         <family>  
             <inet6>  
                 <service-filter>  
                     <term>  
                         <from>  
                             **<destination-port-except>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</destination-port-except>**  
                         </from>  
                     </term>  
                 </service-filter>  
             </inet6>  
         </family>  
     </firewall>  
</configuration>

**Description** Do not match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
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- dhcp—Dynamic Host Configuration Protocol.
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- ftp-data—FTP data.

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- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.

- `range`—Range of values.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

## **<destination-port-except> (configuration/firewall/family/vpls/filter/term/from)**

---

**Usage**

```

<configuration>
  <firewall>
    <family>
      <vpls>
        <filter>
          <term>
            <from>
              <destination-port-except>
                <name>name</name>    <!-- identifier -->
              </destination-port-except>
            </from>
          </term>
        </filter>
      </vpls>
    </family>
  </firewall>
</configuration>

```

**Description** Do not match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.

- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.

- `range`—Range of values.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.



## **<destination-port-except> (configuration/firewall/filter/term/from)**

---

**Usage**   <configuration>  
           <firewall>  
           <filter>  
           <term>  
           <from>  
               **<destination-port-except>**  
               <name>*name*</name>   <!-- identifier -->  
               **</destination-port-except>**  
           </from>  
           </term>  
           </filter>  
           </firewall>  
         </configuration>

**Description**   Do not match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.
- http—Hypertext Transfer Protocol.
- https—Secure HTTP.

- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.
- `range`—Range of values.
- `rip`—Routing Information Protocol.

- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS+.
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX `rwho`.
- `xmcp`—X Display Manager Control Protocol.

## **<destination-port-except> (configuration/logical-systems/firewall/family/bridge/filter/term/from)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <bridge>
          <filter>
            <term>
              <from>
                <destination-port-except>
                  <name>name</name>    <!-- identifier -->
                </destination-port-except>
              </from>
            </term>
          </filter>
        </bridge>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Do not match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.

- `ftp-data`—FTP data.
- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.

- radius—RADIUS authentication.
- range—Range of values.
- rip—Routing Information Protocol.
- rkinit—Kerberos remote kinit.
- smtp—Simple Mail Transfer Protocol.
- snmp—Simple Network Management Protocol.
- snmptrap—SNMP traps.
- snpp—Simple paging protocol.
- socks—Socks.
- ssh—Secure shell.
- sunrpc—Sun Microsystems remote procedure call.
- syslog—System log.
- tacacs—TACACS or TACACS + .
- tacacs-ds—TACACS-DS.
- talk—UNIX Talk.
- telnet—Telnet.
- tftp—Trivial FTP.
- timed—UNIX time daemon.
- who—UNIX rwho.
- xdmcp—X Display Manager Control Protocol.

## **<destination-port-except> (configuration/logical-systems/firewall/family/ethernet-switching/filter/term/from)**

---

**Usage** <configuration>  
     <logical-systems>  
         <firewall>  
             <family>  
                 <ethernet-switching>  
                     <filter>  
                         <term>  
                             <from>  
                                 **<destination-port-except>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</destination-port-except>**  
                             </from>  
                         </term>  
                     </filter>  
                 </ethernet-switching>  
             </family>  
         </firewall>  
     </logical-systems>  
</configuration>

**Description** Do not match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.

- ftp-data—FTP data.
- http—Hypertext Transfer Protocol.
- https—Secure HTTP.
- ident—Ident.
- imap—Internet Message Access Protocol.
- kerberos-sec—Kerberos Security.
- klogin—Kerberos rlogin.
- kpasswd—Kerberos passwd.
- krb-prop—Kerberos database propagation.
- krbupdate—Kerberos database update.
- kshell—Kerberos rsh.
- ldap—Lightweight Directory Access Protocol.
- ldap—Label Distribution Protocol.
- login—UNIX rlogin.
- mobileip-agent—Mobile IP agent.
- mobilip-mn—Mobile IP MN.
- msdp—Multicast Source Discovery Protocol.
- netbios-dgm—NetBIOS DGM.
- netbios-ns—NetBIOS name service.
- netbios-ssn—NetBIOS session service.
- nfsd—Network File System.
- nntp—Network News Transport Protocol.
- ntalk—New Talk.
- ntp—Network Time Protocol.
- pop3—Post Office Protocol 3.
- pptp—Point-to-Point Tunneling Protocol.
- printer—Printer.
- radacct—RADIUS accounting.



- **radius**—RADIUS authentication.
- **range**—Range of values.
- **rip**—Routing Information Protocol.
- **rkinit**—Kerberos remote kinit.
- **smtp**—Simple Mail Transfer Protocol.
- **snmp**—Simple Network Management Protocol.
- **snmptrap**—SNMP traps.
- **snpp**—Simple paging protocol.
- **socks**—Socks.
- **ssh**—Secure shell.
- **sunrpc**—Sun Microsystems remote procedure call.
- **syslog**—System log.
- **tacacs**—TACACS or TACACS + .
- **tacacs-ds**—TACACS-DS.
- **talk**—UNIX Talk.
- **telnet**—Telnet.
- **tftp**—Trivial FTP.
- **timed**—UNIX time daemon.
- **who**—UNIX rwho.
- **xmcp**—X Display Manager Control Protocol.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <inet>
          <filter>
            <term>
              <from>
                <destination-port-except>
                  <name>name</name>    <!-- identifier -->
                </destination-port-except>
              </from>
            </term>
          </filter>
        </inet>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Do not match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.

- `ftp-data`—FTP data.
- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.

- radius—RADIUS authentication.
- range—Range of values.
- rip—Routing Information Protocol.
- rkinit—Kerberos remote kinit.
- smtp—Simple Mail Transfer Protocol.
- snmp—Simple Network Management Protocol.
- snmptrap—SNMP traps.
- snpp—Simple paging protocol.
- socks—Socks.
- ssh—Secure shell.
- sunrpc—Sun Microsystems remote procedure call.
- syslog—System log.
- tacacs—TACACS or TACACS + .
- tacacs-ds—TACACS-DS.
- talk—UNIX Talk.
- telnet—Telnet.
- tftp—Trivial FTP.
- timed—UNIX time daemon.
- who—UNIX rwho.
- xdmcp—X Display Manager Control Protocol.

## **<destination-port-except> (configuration/logical-systems/firewall/family/inet/service-filter/term/from)**

---

**Usage** <configuration>  
     <logical-systems>  
         <firewall>  
             <family>  
                 <inet>  
                     <service-filter>  
                         <term>  
                             <from>  
                                 **<destination-port-except>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</destination-port-except>**  
                             </from>  
                         </term>  
                     </service-filter>  
                 </inet>  
             </family>  
         </firewall>  
     </logical-systems>  
</configuration>

**Description** Do not match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.

- `ftp-data`—FTP data.
- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.

- `radius`—RADIUS authentication.
- `range`—Range of values.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

## **<destination-port-except> (configuration/logical-systems/firewall/family/inet6/filter/term/from)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <inet6>
          <filter>
            <term>
              <from>
                <destination-port-except>
                  <name>name</name>    <!-- identifier -->
                </destination-port-except>
              </from>
            </term>
          </filter>
        </inet6>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Do not match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.



- `ftp-data`—FTP data.
- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
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- `nfsd`—Network File System.
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- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.

- radius—RADIUS authentication.
- range—Range of values.
- rip—Routing Information Protocol.
- rkinit—Kerberos remote kinit.
- smtp—Simple Mail Transfer Protocol.
- snmp—Simple Network Management Protocol.
- snmptrap—SNMP traps.
- snpp—Simple paging protocol.
- socks—Socks.
- ssh—Secure shell.
- sunrpc—Sun Microsystems remote procedure call.
- syslog—System log.
- tacacs—TACACS or TACACS + .
- tacacs-ds—TACACS-DS.
- talk—UNIX Talk.
- telnet—Telnet.
- tftp—Trivial FTP.
- timed—UNIX time daemon.
- who—UNIX rwho.
- xdmcp—X Display Manager Control Protocol.

## **<destination-port-except> (configuration/logical-systems/firewall/family/inet6/service-filter/term/from)**

---

**Usage**

```
<configuration>
  <logical-systems>
    <firewall>
      <family>
        <inet6>
          <service-filter>
            <term>
              <from>
                <destination-port-except>
                  <name>name</name>    <!-- identifier -->
                </destination-port-except>
              </from>
            </term>
          </service-filter>
        </inet6>
      </family>
    </firewall>
  </logical-systems>
</configuration>
```

**Description** Do not match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.

- `ftp-data`—FTP data.
- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.

- `radius`—RADIUS authentication.
- `range`—Range of values.
- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX rwho.
- `xmcp`—X Display Manager Control Protocol.

## **<destination-port-except> (configuration/logical-systems/firewall/family/vpls/filter/term/from)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <vpls>
          <filter>
            <term>
              <from>
                <destination-port-except>
                  <name>name</name>    <!-- identifier -->
                </destination-port-except>
              </from>
            </term>
          </filter>
        </vpls>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Do not match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.

- `ftp-data`—FTP data.
- `http`—Hypertext Transfer Protocol.
- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobileip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.

- radius—RADIUS authentication.
- range—Range of values.
- rip—Routing Information Protocol.
- rkinit—Kerberos remote kinit.
- smtp—Simple Mail Transfer Protocol.
- snmp—Simple Network Management Protocol.
- snmptrap—SNMP traps.
- snpp—Simple paging protocol.
- socks—Socks.
- ssh—Secure shell.
- sunrpc—Sun Microsystems remote procedure call.
- syslog—System log.
- tacacs—TACACS or TACACS + .
- tacacs-ds—TACACS-DS.
- talk—UNIX Talk.
- telnet—Telnet.
- tftp—Trivial FTP.
- timed—UNIX time daemon.
- who—UNIX rwho.
- xdmcp—X Display Manager Control Protocol.



## **<destination-port-except> (configuration/logical-systems/firewall/filter/term/from)**

---

**Usage** <configuration>  
           <logical-systems>  
           <firewall>  
           <filter>  
           <term>  
           <from>  
               **<destination-port-except>**  
                   <name>name</name>   <!-- identifier -->  
               **</destination-port-except>**  
           </from>  
           </term>  
           </filter>  
           </firewall>  
           </logical-systems>  
         </configuration>

**Description** Do not match TCP/UDP destination port.

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

- afs—AFS.
- bgp—Border Gateway Protocol.
- biff—Biff/Comsat.
- bootpc—Bootstrap protocol client.
- bootps—Bootstrap protocol server.
- cmd—UNIX rsh.
- cvspserver—CVS pserver.
- dhcp—Dynamic Host Configuration Protocol.
- domain—Domain Name System (DNS).
- eklogin—Encrypted Kerberos rlogin.
- ekshell—Encrypted Kerberos rsh.
- exec—UNIX rexec.
- finger—Finger.
- ftp—FTP.
- ftp-data—FTP data.
- http—Hypertext Transfer Protocol.

- `https`—Secure HTTP.
- `ident`—Ident.
- `imap`—Internet Message Access Protocol.
- `kerberos-sec`—Kerberos Security.
- `klogin`—Kerberos rlogin.
- `kpasswd`—Kerberos passwd.
- `krb-prop`—Kerberos database propagation.
- `krbupdate`—Kerberos database update.
- `kshell`—Kerberos rsh.
- `ldap`—Lightweight Directory Access Protocol.
- `ldp`—Label Distribution Protocol.
- `login`—UNIX rlogin.
- `mobileip-agent`—Mobile IP agent.
- `mobilip-mn`—Mobile IP MN.
- `msdp`—Multicast Source Discovery Protocol.
- `netbios-dgm`—NetBIOS DGM.
- `netbios-ns`—NetBIOS name service.
- `netbios-ssn`—NetBIOS session service.
- `nfsd`—Network File System.
- `nntp`—Network News Transport Protocol.
- `ntalk`—New Talk.
- `ntp`—Network Time Protocol.
- `pop3`—Post Office Protocol 3.
- `pptp`—Point-to-Point Tunneling Protocol.
- `printer`—Printer.
- `radacct`—RADIUS accounting.
- `radius`—RADIUS authentication.
- `range`—Range of values.

- `rip`—Routing Information Protocol.
- `rkinit`—Kerberos remote kinit.
- `smtp`—Simple Mail Transfer Protocol.
- `snmp`—Simple Network Management Protocol.
- `snmptrap`—SNMP traps.
- `snpp`—Simple paging protocol.
- `socks`—Socks.
- `ssh`—Secure shell.
- `sunrpc`—Sun Microsystems remote procedure call.
- `syslog`—System log.
- `tacacs`—TACACS or TACACS + .
- `tacacs-ds`—TACACS-DS.
- `talk`—UNIX Talk.
- `telnet`—Telnet.
- `tftp`—Trivial FTP.
- `timed`—UNIX time daemon.
- `who`—UNIX `rwho`.
- `xmcp`—X Display Manager Control Protocol.

**<destination-prefix-list> (configuration/firewall/family/inet/filter/term/from)**

---

**Usage**   <configuration>  
          <firewall>  
          <family>  
          <inet>  
          <filter>  
          <term>  
          <from>  
            **<destination-prefix-list>**  
              <name>*name*</name>   <!-- identifier -->  
              <except/>  
              **</destination-prefix-list>**  
            </from>  
          </term>  
        </filter>  
      </inet>  
    </family>  
  </firewall>  
</configuration>

**Description**   Match IP destination prefixes in named list.

**Contents**   <except>—Match addresses not in this prefix list.

          <name>—Prefix list to match.

## **<destination-prefix-list> (configuration/firewall/family/inet/service-filter/term/from)**

---

**Usage**   <configuration>  
           <firewall>  
           <family>  
           <inet>  
           <service-filter>  
           <term>  
           <from>  
               **<destination-prefix-list>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <except/>  
                   **</destination-prefix-list>**  
               </from>  
           </term>  
         </service-filter>  
       </inet>  
     </family>  
 </firewall>  
</configuration>

**Description**   Match IP destination prefixes in named list.

**Contents**   <except>—Match addresses not in this prefix list.

          <name>—Prefix list to match.

## **<destination-prefix-list> (configuration/firewall/family/inet6/filter/term/from)**

---

**Usage**   <configuration>  
           <firewall>  
           <family>  
           <inet6>  
           <filter>  
           <term>  
           <from>  
               **<destination-prefix-list>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <except/>  
                   **</destination-prefix-list>**  
               </from>  
           </term>  
           </filter>  
           </inet6>  
           </family>  
           </firewall>  
         </configuration>

**Description**   Match destination prefixes in named list.

**Contents**   <except>—Match addresses not in this prefix list.

          <name>—Prefix list to match.

## **<destination-prefix-list> (configuration/firewall/family/inet6/service-filter/term/from)**

---

**Usage** <configuration>  
     <firewall>  
         <family>  
             <inet6>  
                 <service-filter>  
                     <term>  
                         <from>  
                             **<destination-prefix-list>**  
                                 <name>*name*</name>   <!-- identifier -->  
                                 <except/>  
                             **</destination-prefix-list>**  
                         </from>  
                     </term>  
                 </service-filter>  
             </inet6>  
         </family>  
     </firewall>  
</configuration>

**Description** Match destination prefixes in named list.

**Contents** <except>—Match addresses not in this prefix list.

<name>—Prefix list to match.

## **<destination-prefix-list> (configuration/firewall/filter/term/from)**

---

**Usage** <configuration>  
     <firewall>  
         <filter>  
             <term>  
                 <from>  
                     **<destination-prefix-list>**  
                         <name>*name*</name>   <!-- identifier -->  
                         <except/>  
                     **</destination-prefix-list>**  
                 </from>  
             </term>  
         </filter>  
     </firewall>  
</configuration>

**Description** Match IP destination prefixes in named list.

**Contents** <except>—Match addresses not in this prefix list.

<name>—Prefix list to match.

## **<destination-prefix-list> (configuration/logical-systems/ firewall/family/inet/filter/term/from)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <firewall>  
           <family>  
           <inet>  
           <filter>  
           <term>  
           <from>  
               **<destination-prefix-list>**  
                   <name>name</name>   <!-- identifier -->  
                   <except/>  
                   **</destination-prefix-list>**  
               </from>  
           </term>  
           </filter>  
           </inet>  
           </family>  
           </firewall>  
           </logical-systems>  
       </configuration>

**Description**   Match IP destination prefixes in named list.

**Contents**   <except>—Match addresses not in this prefix list.

          <name>—Prefix list to match.



## **<destination-prefix-list> (configuration/logical-systems/ firewall/family/inet/service-filter/term/from)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <firewall>  
           <family>  
           <inet>  
           <service-filter>  
           <term>  
           <from>  
               **<destination-prefix-list>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <except/>  
               **</destination-prefix-list>**  
               </from>  
           </term>  
           </service-filter>  
           </inet>  
           </family>  
           </firewall>  
           </logical-systems>  
       </configuration>

**Description**   Match IP destination prefixes in named list.

**Contents**   <except>—Match addresses not in this prefix list.

          <name>—Prefix list to match.

**<destination-prefix-list> (configuration/logical-systems/  
firewall/family/inet6/filter/term/from)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <firewall>  
          <family>  
          <inet6>  
          <filter>  
          <term>  
          <from>  
            **<destination-prefix-list>**  
              <name>name</name>   <!-- identifier -->  
              <except/>  
              **</destination-prefix-list>**  
            </from>  
          </term>  
          </filter>  
          </inet6>  
          </family>  
          </firewall>  
          </logical-systems>  
          </configuration>

**Description**   Match destination prefixes in named list.

**Contents**   <except>—Match addresses not in this prefix list.

          <name>—Prefix list to match.

## **<destination-prefix-list> (configuration/logical-systems/ firewall/family/inet6/service-filter/term/from)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <firewall>  
           <family>  
           <inet6>  
           <service-filter>  
           <term>  
           <from>  
               **<destination-prefix-list>**  
                   <name>*name*</name>   <!-- identifier -->  
                   <except/>  
                   **</destination-prefix-list>**  
               </from>  
           </term>  
           </service-filter>  
           </inet6>  
           </family>  
           </firewall>  
           </logical-systems>  
         </configuration>

**Description**   Match destination prefixes in named list.

**Contents**   <except>—Match addresses not in this prefix list.

          <name>—Prefix list to match.

## **<destination-prefix-list> (configuration/logical-systems/firewall/filter/term/from)**

---

**Usage** <configuration>  
           <logical-systems>  
             <firewall>  
               <filter>  
                 <term>  
                   <from>  
                     **<destination-prefix-list>**  
                       <name>name</name>   <!-- identifier -->  
                       <except/>  
                     **</destination-prefix-list>**  
                   </from>  
                 </term>  
               </filter>  
             </firewall>  
           </logical-systems>  
         </configuration>

**Description** Match IP destination prefixes in named list.

**Contents** <except>—Match addresses not in this prefix list.  
               <name>—Prefix list to match.

## **<destination-prefix-list> (configuration/services/cos/rule/term/from)**

---

**Usage** <configuration>  
           <services>  
             <cos>  
               <rule>  
                 <term>  
                   <from>  
                     **<destination-prefix-list>**  
                       <name>name</name>   <!-- identifier -->  
                       <except/>  
                     **</destination-prefix-list>**  
                   </from>  
                 </term>  
               </rule>  
             </cos>  
           </services>  
         </configuration>

**Description** One or more named lists of destination prefixes to match.

**Contents** <except>—Name of prefix list not to match against.  
               <name>—Name of prefix list to match against.

## **<destination-prefix-list> (configuration/services/ids/rule/term/from)**

---

**Usage** <configuration>  
           <services>  
             <ids>  
               <rule>  
                 <term>  
                   <from>  
                     **<destination-prefix-list>**  
                       <name>name</name>   <!-- identifier -->  
                       <except/>  
                     **</destination-prefix-list>**  
                   </from>  
                 </term>  
               </rule>  
             </ids>  
           </services>  
         </configuration>

**Description** One or more named lists of destination prefixes to match.

**Contents** <except>—Name of prefix list not to match against.

          <name>—Name of prefix list to match against.

## **<destination-prefix-list> (configuration/services/nat/rule/term/from)**

---

**Usage** <configuration>  
           <services>  
             <nat>  
               <rule>  
                 <term>  
                   <from>  
                     **<destination-prefix-list>**  
                       <name>name</name>   <!-- identifier -->  
                       <except/>  
                     **</destination-prefix-list>**  
                   </from>  
                 </term>  
               </rule>  
             </nat>  
           </services>  
         </configuration>

**Description** One or more named lists of destination prefixes to match.

**Contents** <except>—Name of prefix list not to match against.

          <name>—Name of prefix list to match against.

## **<destination-prefix-list> (configuration/services/stateful-firewall/rule/term/from)**

---

**Usage** <configuration>  
     <services>  
         <stateful-firewall>  
             <rule>  
                 <term>  
                     <from>  
                         **<destination-prefix-list>**  
                             <name>name</name>   <!-- identifier -->  
                             <except/>  
                         **</destination-prefix-list>**  
                     </from>  
                 </term>  
             </rule>  
         </stateful-firewall>  
     </services>  
 </configuration>

**Description** One or more named lists of destination prefixes to match.

**Contents** <except>—Name of prefix list not to match against.

<name>—Name of prefix list to match against.

## **<destinations> (configuration/event-options)**

---

**Usage** <configuration>  
     <event-options>  
         **<destinations>**  
             <name>name</name>   <!-- identifier -->  
             <transfer-delay>seconds</transfer-delay>  
             <archive-sites>...</archive-sites>   <!-- mandatory -->  
         **</destinations>**  
     </event-options>  
 </configuration>

**Description** List of destinations referred to in 'then' clause.

**Contents** <archive-sites>—List of archive destinations.

<name>—Destination name.

<transfer-delay>—Delay before transferring files.

**<destinations> (configuration/services/flow-collector)**

---

- Usage** `<configuration>  
     <services>  
         <flow-collector>  
             <destinations>  
                 <name>name</name>   <!-- identifier -->  
                 <password>password</password>  
             </destinations>  
         </flow-collector>  
     </services>  
</configuration>`
- Description** Configure destination for files.
- Contents** `<name>`—FTP destination URL (allows {text} macros).  
             `<password>`—Password for accessing URL.

**<detection-time> (configuration/logical-systems/protocols/bgp/bfd-liveness-detection)**

---

- Usage** `<configuration>  
     <logical-systems>  
         <protocols>  
             <bgp>  
                 <bfd-liveness-detection>  
                     <detection-time>  
                         <threshold>milliseconds</threshold>  
                     </detection-time>  
                 </bfd-liveness-detection>  
             </bgp>  
         </protocols>  
     </logical-systems>  
</configuration>`
- Description** Detection-time options.
- Contents** `<threshold>`—High detection-time triggering a trap.

## **<detection-time> (configuration/logical-systems/protocols/bgp/group/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <bgp>  
                 <group>  
                   <bfd-liveness-detection>  
                     **<detection-time>**  
                       <threshold>milliseconds</threshold>  
                     **</detection-time>**  
                   </bfd-liveness-detection>  
                 </group>  
               </bgp>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/logical-systems/protocols/bgp/group/neighbor/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <bgp>  
                 <group>  
                   <neighbor>  
                     <bfd-liveness-detection>  
                       **<detection-time>**  
                       <threshold>milliseconds</threshold>  
                       **</detection-time>**  
                     </bfd-liveness-detection>  
                   </neighbor>  
                 </group>  
               </bgp>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.



## **<detection-time> (configuration/logical-systems/protocols/isis/ interface/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <isis>  
           <interface>  
           <bfd-liveness-detection>  
           **<detection-time>**  
           <threshold>*milliseconds*</threshold>  
           **</detection-time>**  
           </bfd-liveness-detection>  
           </interface>  
           </isis>  
           </protocols>  
           </logical-systems>  
           </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/logical-systems/protocols/ldp/ oam/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <ldp>  
           <oam>  
           <bfd-liveness-detection>  
           **<detection-time>**  
           <threshold>*milliseconds*</threshold>  
           **</detection-time>**  
           </bfd-liveness-detection>  
           </oam>  
           </ldp>  
           </protocols>  
           </logical-systems>  
           </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/logical-systems/protocols/ldp/oam/fec/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <ldp>  
                 <oam>  
                   <fec>  
                     <bfd-liveness-detection>  
                       **<detection-time>**  
                         <threshold>*milliseconds*</threshold>  
                       **</detection-time>**  
                     </bfd-liveness-detection>  
                   </fec>  
                 </oam>  
               </ldp>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/logical-systems/protocols/mpls/label-switched-path/oam/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <mpls>  
                 <label-switched-path>  
                   <oam>  
                     <bfd-liveness-detection>  
                       **<detection-time>**  
                         <threshold>*milliseconds*</threshold>  
                       **</detection-time>**  
                     </bfd-liveness-detection>  
                   </oam>  
                 </label-switched-path>  
               </mpls>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

### **<detection-time> (configuration/logical-systems/protocols/mpls/label-switched-path/primary/oam/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <mpls>  
           <label-switched-path>  
           <primary>  
           <oam>  
           <bfd-liveness-detection>  
             **<detection-time>**  
               <threshold>*milliseconds*</threshold>  
             **</detection-time>**  
           </bfd-liveness-detection>  
           </oam>  
           </primary>  
           </label-switched-path>  
           </mpls>  
           </protocols>  
           </logical-systems>  
           </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

### **<detection-time> (configuration/logical-systems/protocols/mpls/label-switched-path/secondary/oam/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <mpls>  
           <label-switched-path>  
           <secondary>  
           <oam>  
           <bfd-liveness-detection>  
             **<detection-time>**  
               <threshold>*milliseconds*</threshold>  
             **</detection-time>**  
           </bfd-liveness-detection>  
           </oam>  
           </secondary>  
           </label-switched-path>  
           </mpls>  
           </protocols>  
           </logical-systems>  
           </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/logical-systems/protocols/mpls/oam/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <mpls>  
                 <oam>  
                   <bfd-liveness-detection>  
                     **<detection-time>**  
                       <threshold>*milliseconds*</threshold>  
                     **</detection-time>**  
                   </bfd-liveness-detection>  
                 </oam>  
               </mpls>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/logical-systems/protocols/ospf/area/interface/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <ospf>  
                 <area>  
                   <interface>  
                     <bfd-liveness-detection>  
                       **<detection-time>**  
                       <threshold>*milliseconds*</threshold>  
                       **</detection-time>**  
                     </bfd-liveness-detection>  
                   </interface>  
                 </area>  
               </ospf>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/logical-systems/protocols/ospf3/area/interface/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <ospf3>  
           <area>  
           <interface>  
           <bfd-liveness-detection>  
             **<detection-time>**  
               <threshold>*milliseconds*</threshold>  
             **</detection-time>**  
           </bfd-liveness-detection>  
         </interface>  
       </area>  
     </ospf3>  
   </protocols>  
</logical-systems>  
</configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/logical-systems/protocols/ospf3/realms/area/interface/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <ospf3>  
           <realm>  
           <area>  
           <interface>  
           <bfd-liveness-detection>  
             **<detection-time>**  
               <threshold>*milliseconds*</threshold>  
             **</detection-time>**  
           </bfd-liveness-detection>  
         </interface>  
       </area>  
     </realm>  
   </ospf3>  
</protocols>  
</logical-systems>  
</configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/logical-systems/protocols/pim/interface/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <pim>  
           <interface>  
           <bfd-liveness-detection>  
           **<detection-time>**  
             <threshold>*milliseconds*</threshold>  
           **</detection-time>**  
           </bfd-liveness-detection>  
           </interface>  
           </pim>  
           </protocols>  
           </logical-systems>  
           </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/logical-systems/protocols/rip/group/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <rip>  
           <group>  
           <bfd-liveness-detection>  
           **<detection-time>**  
             <threshold>*milliseconds*</threshold>  
           **</detection-time>**  
           </bfd-liveness-detection>  
           </group>  
           </rip>  
           </protocols>  
           </logical-systems>  
           </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/logical-systems/protocols/rip/group/neighbor/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <logical-systems>  
           <protocols>  
           <rip>  
           <group>  
           <neighbor>  
           <bfd-liveness-detection>  
             **<detection-time>**  
               <threshold>*milliseconds*</threshold>  
             **</detection-time>**  
           </bfd-liveness-detection>  
           </neighbor>  
           </group>  
           </rip>  
           </protocols>  
           </logical-systems>  
           </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/logical-systems/routing-instances/instance/protocols/bgp/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <bfd-liveness-detection>  
             **<detection-time>**  
               <threshold>*milliseconds*</threshold>  
             **</detection-time>**  
           </bfd-liveness-detection>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detec-tion-time> (configuration/logical-systems/ routing-instances/instance/protocols/bgp/group/ bfd-liveness-detection)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <bfd-liveness-detection>  
             **<detec-tion-time>**  
               <threshold>milliseconds</threshold>  
             **</detec-tion-time>**  
           </bfd-liveness-detection>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Detection-time options.

**Contents**   <threshold>—High detection-time triggering a trap.



## **<detection-time> (configuration/logical-systems/ routing-instances/instance/protocols/bgp/group/neighbor/ bfd-liveness-detection)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <neighbor>  
           <bfd-liveness-detection>  
           **<detection-time>**  
           <threshold>*milliseconds*</threshold>  
           **</detection-time>**  
           </bfd-liveness-detection>  
           </neighbor>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Detection-time options.

**Contents**   <threshold>—High detection-time triggering a trap.

## **<detec-tion-time> (configuration/logical-systems/ routing-instances/instance/protocols/isis/interface/ bfd-liveness-detection)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <isis>  
           <interface>  
           <bfd-liveness-detection>  
           **<detec-tion-time>**  
           <threshold>*milliseconds*</threshold>  
           **</detec-tion-time>**  
           </bfd-liveness-detection>  
           </interface>  
           </isis>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Detection-time options.

**Contents**   <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/logical-systems/ routing-instances/instance/protocols/ldp/oam/ bfd-liveness-detection)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <ldp>  
           <oam>  
           <bfd-liveness-detection>  
               **<detection-time>**  
                   <threshold>*milliseconds*</threshold>  
               **</detection-time>**  
           </bfd-liveness-detection>  
           </oam>  
           </ldp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Detection-time options.

**Contents**   <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/logical-systems/ routing-instances/instance/protocols/ldp/oam/fec/ bfd-liveness-detection)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <ldp>
            <oam>
              <fec>
                <bfd-liveness-detection>
                  <detection-time>
                    <threshold>milliseconds</threshold>
                  </detection-time>
                </bfd-liveness-detection>
              </fec>
            </oam>
          </ldp>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/logical-systems/ routing-instances/instance/protocols/ospf/area/interface/ bfd-liveness-detection)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <ospf>  
           <area>  
           <interface>  
           <bfd-liveness-detection>  
           **<detection-time>**  
           <threshold>*milliseconds*</threshold>  
           **</detection-time>**  
           </bfd-liveness-detection>  
           </interface>  
           </area>  
           </ospf>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Detection-time options.

**Contents**   <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/logical-systems/ routing-instances/instance/protocols/ospf3/area/interface/ bfd-liveness-detection)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <ospf3>
            <area>
              <interface>
                <bfd-liveness-detection>
                  <detection-time>
                    <threshold>milliseconds</threshold>
                  </detection-time>
                </bfd-liveness-detection>
              </interface>
            </area>
          </ospf3>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/logical-systems/ routing-instances/instance/protocols/ospf3/realm/area/interface/ bfd-liveness-detection)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <ospf3>  
           <realm>  
           <area>  
           <interface>  
           <bfd-liveness-detection>  
           **<detection-time>**  
           <threshold>*milliseconds*</threshold>  
           **</detection-time>**  
           </bfd-liveness-detection>  
           </interface>  
           </area>  
           </realm>  
           </ospf3>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Detection-time options.

**Contents**   <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/logical-systems/ routing-instances/instance/protocols/pim/interface/ bfd-liveness-detection)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <pim>  
          <interface>  
          <bfd-liveness-detection>  
          **<detection-time>**  
          <threshold>*milliseconds*</threshold>  
          **</detection-time>**  
          </bfd-liveness-detection>  
          </interface>  
          </pim>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Detection-time options.

**Contents**   <threshold>—High detection-time triggering a trap.



## **<detection-time> (configuration/logical-systems/ routing-instances/instance/protocols/rip/group/ bfd-liveness-detection)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <protocols>  
          <rip>  
          <group>  
          <bfd-liveness-detection>  
            **<detection-time>**  
              <threshold>*milliseconds*</threshold>  
            **</detection-time>**  
          </bfd-liveness-detection>  
          </group>  
          </rip>  
          </protocols>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Detection-time options.

**Contents**   <threshold>—High detection-time triggering a trap.

## **<detec-tion-time> (configuration/logical-systems/ routing-instances/instance/protocols/rip/group/neighbor/ bfd-liveness-detection)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <protocols>
          <rip>
            <group>
              <neighbor>
                <bfd-liveness-detection>
                  <detec-tion-time>
                    <threshold>milliseconds</threshold>
                  </detec-tion-time>
                </bfd-liveness-detection>
              </neighbor>
            </group>
          </rip>
        </protocols>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detec-tion-time> (configuration/logical-systems/ routing-instances/instance/routing-options/rib/static/iso-route/ bfd-liveness-detection)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <rib>  
          <static>  
          <iso-route>  
          <bfd-liveness-detection>  
              **<detec-tion-time>**  
              <threshold>*milliseconds*</threshold>  
              **</detec-tion-time>**  
          </bfd-liveness-detection>  
          </iso-route>  
          </static>  
          </rib>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Detection-time options.

**Contents**   <threshold>—High detection-time triggering a trap.

## **<detec-tion-time> (configuration/logical-systems/ routing-instances/instance/routing-options/rib/static/iso-route/ qualified-next-hop/bfd-liveness-detection)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <routing-options>
          <rib>
            <static>
              <iso-route>
                <qualified-next-hop>
                  <bfd-liveness-detection>
                    <detec-tion-time>
                      <threshold>milliseconds</threshold>
                    </detec-tion-time>
                  </bfd-liveness-detection>
                </qualified-next-hop>
              </iso-route>
            </static>
          </rib>
        </routing-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/logical-systems/ routing-instances/instance/routing-options/rib/static/route/ bfd-liveness-detection)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <routing-options>  
           <rib>  
           <static>  
           <route>  
           <bfd-liveness-detection>  
           **<detection-time>**  
           <threshold>*milliseconds*</threshold>  
           **</detection-time>**  
           </bfd-liveness-detection>  
           </route>  
           </static>  
           </rib>  
           </routing-options>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Detection-time options.

**Contents**   <threshold>—High detection-time triggering a trap.

## **<detec-tion-time> (configuration/logical-systems/ routing-instances/instance/routing-options/rib/static/route/ qualified-next-hop/bfd-liveness-detection)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <routing-options>
          <rib>
            <static>
              <route>
                <qualified-next-hop>
                  <bfd-liveness-detection>
                    <detec-tion-time>
                      <threshold>milliseconds</threshold>
                    </detec-tion-time>
                  </bfd-liveness-detection>
                </qualified-next-hop>
              </route>
            </static>
          </rib>
        </routing-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detec-tion-time> (configuration/logical-systems/ routing-instances/instance/routing-options/static/iso-route/ bfd-liveness-detection)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <static>  
          <iso-route>  
          <bfd-liveness-detection>  
            **<detec-tion-time>**  
              <threshold>*milliseconds*</threshold>  
            **</detec-tion-time>**  
          </bfd-liveness-detection>  
          </iso-route>  
          </static>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Detection-time options.

**Contents**   <threshold>—High detection-time triggering a trap.

**<detection-time> (configuration/logical-systems/  
routing-instances/instance/routing-options/static/iso-route/  
qualified-next-hop/bfd-liveness-detection)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <static>  
          <iso-route>  
          <qualified-next-hop>  
          <bfd-liveness-detection>  
          **<detection-time>**  
          <threshold>*milliseconds*</threshold>  
          **</detection-time>**  
          </bfd-liveness-detection>  
          </qualified-next-hop>  
          </iso-route>  
          </static>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Detection-time options.

**Contents**    <threshold>—High detection-time triggering a trap.



## **<detec-tion-time> (configuration/logical-systems/ routing-instances/instance/routing-options/static/route/ bfd-liveness-detection)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <routing-instances>  
          <instance>  
          <routing-options>  
          <static>  
          <route>  
          <bfd-liveness-detection>  
            **<detec-tion-time>**  
              <threshold>*milliseconds*</threshold>  
            **</detec-tion-time>**  
          </bfd-liveness-detection>  
          </route>  
          </static>  
          </routing-options>  
          </instance>  
          </routing-instances>  
          </logical-systems>  
          </configuration>

**Description**   Detection-time options.

**Contents**   <threshold>—High detection-time triggering a trap.

## **<detec-tion-time> (configuration/logical-systems/ routing-instances/instance/routing-options/static/route/ qualified-next-hop/bfd-liveness-detection)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <routing-options>
          <static>
            <route>
              <qualified-next-hop>
                <bfd-liveness-detection>
                  <detec-tion-time>
                    <threshold>milliseconds</threshold>
                  </detec-tion-time>
                </bfd-liveness-detection>
              </qualified-next-hop>
            </route>
          </static>
        </routing-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/logical-systems/routing-options/rib/static/iso-route/bfd-liveness-detection)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-options>  
             <rib>  
                 <static>  
                     <iso-route>  
                         <bfd-liveness-detection>  
                             **<detection-time>**  
                                 <threshold>*milliseconds*</threshold>  
                             **</detection-time>**  
                         </bfd-liveness-detection>  
                     </iso-route>  
                 </static>  
             </rib>  
         </routing-options>  
     </logical-systems>  
   </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/logical-systems/routing-options/rib/static/iso-route/qualified-next-hop/bfd-liveness-detection)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-options>  
             <rib>  
                 <static>  
                     <iso-route>  
                         <qualified-next-hop>  
                             <bfd-liveness-detection>  
                                 **<detection-time>**  
                                     <threshold>*milliseconds*</threshold>  
                                 **</detection-time>**  
                             </bfd-liveness-detection>  
                         </qualified-next-hop>  
                 </iso-route>  
             </static>  
             </rib>  
         </routing-options>  
     </logical-systems>  
   </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/logical-systems/routing-options/rib/static/route/bfd-liveness-detection)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-options>  
             <rib>  
                 <static>  
                     <route>  
                         <bfd-liveness-detection>  
                             **<detection-time>**  
                                 <threshold>*milliseconds*</threshold>  
                             **</detection-time>**  
                         </bfd-liveness-detection>  
                     </route>  
                 </static>  
             </rib>  
         </routing-options>  
     </logical-systems>  
     </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/logical-systems/routing-options/rib/static/route/qualified-next-hop/bfd-liveness-detection)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-options>  
             <rib>  
                 <static>  
                     <route>  
                         <qualified-next-hop>  
                             <bfd-liveness-detection>  
                                 **<detection-time>**  
                                     <threshold>*milliseconds*</threshold>  
                                 **</detection-time>**  
                             </bfd-liveness-detection>  
                         </qualified-next-hop>  
                 </route>  
             </static>  
             </rib>  
         </routing-options>  
     </logical-systems>  
     </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

### **<detection-time> (configuration/logical-systems/routing-options/static/iso-route/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <logical-systems>  
           <routing-options>  
           <static>  
           <iso-route>  
           <bfd-liveness-detection>  
             **<detection-time>**  
               <threshold>*milliseconds*</threshold>  
             **</detection-time>**  
           </bfd-liveness-detection>  
         </iso-route>  
       </static>  
     </routing-options>  
 </logical-systems>  
</configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

### **<detection-time> (configuration/logical-systems/routing-options/static/iso-route/qualified-next-hop/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <logical-systems>  
           <routing-options>  
           <static>  
           <iso-route>  
           <qualified-next-hop>  
           <bfd-liveness-detection>  
             **<detection-time>**  
               <threshold>*milliseconds*</threshold>  
             **</detection-time>**  
           </bfd-liveness-detection>  
         </qualified-next-hop>  
       </iso-route>  
     </static>  
 </routing-options>  
</logical-systems>  
</configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/logical-systems/routing-options/static/route/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <logical-systems>  
             <routing-options>  
               <static>  
                 <route>  
                   <bfd-liveness-detection>  
                     **<detection-time>**  
                       <threshold>*milliseconds*</threshold>  
                     **</detection-time>**  
                   </bfd-liveness-detection>  
                 </route>  
               </static>  
             </routing-options>  
           </logical-systems>  
         </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/logical-systems/routing-options/static/route/qualified-next-hop/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <logical-systems>  
             <routing-options>  
               <static>  
                 <route>  
                   <qualified-next-hop>  
                     <bfd-liveness-detection>  
                       **<detection-time>**  
                       <threshold>*milliseconds*</threshold>  
                       **</detection-time>**  
                     </bfd-liveness-detection>  
                   </qualified-next-hop>  
                 </route>  
               </static>  
             </routing-options>  
           </logical-systems>  
         </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/protocols/bgp/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <bfd-liveness-detection>  
                 **<detection-time>**  
                   <threshold>*milliseconds*</threshold>  
                 **</detection-time>**  
               </bfd-liveness-detection>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/protocols/bgp/group/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <group>  
                 <bfd-liveness-detection>  
                   **<detection-time>**  
                     <threshold>*milliseconds*</threshold>  
                   **</detection-time>**  
                 </bfd-liveness-detection>  
               </group>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/protocols/bgp/group/neighbor/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <protocols>  
             <bgp>  
               <group>  
                 <neighbor>  
                   <bfd-liveness-detection>  
                     **<detection-time>**  
                       <threshold>*milliseconds*</threshold>  
                     **</detection-time>**  
                   </bfd-liveness-detection>  
                 </neighbor>  
               </group>  
             </bgp>  
           </protocols>  
         </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/protocols/isis/interface/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <protocols>  
             <isis>  
               <interface>  
                 <bfd-liveness-detection>  
                   **<detection-time>**  
                     <threshold>*milliseconds*</threshold>  
                   **</detection-time>**  
                 </bfd-liveness-detection>  
               </interface>  
             </isis>  
           </protocols>  
         </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.



### **<detection-time> (configuration/protocols/ldp/oam/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <protocols>  
           <ldp>  
           <oam>  
           <bfd-liveness-detection>  
             **<detection-time>**  
               <threshold>*milliseconds*</threshold>  
             **</detection-time>**  
           </bfd-liveness-detection>  
         </oam>  
       </ldp>  
     </protocols>  
 </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

### **<detection-time> (configuration/protocols/ldp/oam/fec/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <protocols>  
           <ldp>  
           <oam>  
           <fec>  
           <bfd-liveness-detection>  
             **<detection-time>**  
               <threshold>*milliseconds*</threshold>  
             **</detection-time>**  
           </bfd-liveness-detection>  
         </fec>  
       </oam>  
     </ldp>  
   </protocols>  
</configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/protocols/mpls/label-switched-path/oam/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <protocols>  
             <mpls>  
               <label-switched-path>  
                 <oam>  
                   <bfd-liveness-detection>  
                     **<detection-time>**  
                       <threshold>milliseconds</threshold>  
                     **</detection-time>**  
                   </bfd-liveness-detection>  
                 </oam>  
               </label-switched-path>  
             </mpls>  
           </protocols>  
         </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/protocols/mpls/label-switched-path/primary/oam/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <protocols>  
             <mpls>  
               <label-switched-path>  
                 <primary>  
                   <oam>  
                     <bfd-liveness-detection>  
                       **<detection-time>**  
                       <threshold>milliseconds</threshold>  
                       **</detection-time>**  
                     </bfd-liveness-detection>  
                   </oam>  
                 </primary>  
               </label-switched-path>  
             </mpls>  
           </protocols>  
         </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/protocols/mpls/label-switched-path/secondary/oam/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <protocols>  
             <mpls>  
               <label-switched-path>  
                 <secondary>  
                   <oam>  
                     <bfd-liveness-detection>  
                       **<detection-time>**  
                         <threshold>*milliseconds*</threshold>  
                       **</detection-time>**  
                     </bfd-liveness-detection>  
                   </oam>  
                 </secondary>  
               </label-switched-path>  
             </mpls>  
           </protocols>  
         </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/protocols/mpls/oam/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <protocols>  
             <mpls>  
               <oam>  
                 <bfd-liveness-detection>  
                   **<detection-time>**  
                     <threshold>*milliseconds*</threshold>  
                   **</detection-time>**  
                 </bfd-liveness-detection>  
               </oam>  
             </mpls>  
           </protocols>  
         </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/protocols/ospf/area/interface/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <protocols>  
           <ospf>  
           <area>  
           <interface>  
           <bfd-liveness-detection>  
             **<detection-time>**  
               <threshold>*milliseconds*</threshold>  
             **</detection-time>**  
           </bfd-liveness-detection>  
         </interface>  
       </area>  
     </ospf>  
 </protocols>  
</configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/protocols/ospf3/area/interface/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <protocols>  
           <ospf3>  
           <area>  
           <interface>  
           <bfd-liveness-detection>  
             **<detection-time>**  
               <threshold>*milliseconds*</threshold>  
             **</detection-time>**  
           </bfd-liveness-detection>  
         </interface>  
       </area>  
     </ospf3>  
 </protocols>  
</configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/protocols/ospf3/realm/area/interface/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <protocols>  
             <ospf3>  
               <realm>  
                 <area>  
                   <interface>  
                     <bfd-liveness-detection>  
                       **<detection-time>**  
                         <threshold>*milliseconds*</threshold>  
                       **</detection-time>**  
                     </bfd-liveness-detection>  
                   </interface>  
                 </area>  
               </realm>  
             </ospf3>  
           </protocols>  
         </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/protocols/pim/interface/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <protocols>  
             <pim>  
               <interface>  
                 <bfd-liveness-detection>  
                   **<detection-time>**  
                     <threshold>*milliseconds*</threshold>  
                   **</detection-time>**  
                 </bfd-liveness-detection>  
               </interface>  
             </pim>  
           </protocols>  
         </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/protocols/rip/group/bfd-liveness-detection)**

---

**Usage** <configuration>  
    <protocols>  
        <rip>  
            <group>  
                <bfd-liveness-detection>  
                    **<detection-time>**  
                        <threshold>*milliseconds*</threshold>  
                    **</detection-time>**  
                </bfd-liveness-detection>  
            </group>  
        </rip>  
    </protocols>  
</configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/protocols/rip/group/neighbor/bfd-liveness-detection)**

---

**Usage** <configuration>  
    <protocols>  
        <rip>  
            <group>  
                <neighbor>  
                    <bfd-liveness-detection>  
                        **<detection-time>**  
                            <threshold>*milliseconds*</threshold>  
                        **</detection-time>**  
                    </bfd-liveness-detection>  
                </neighbor>  
            </group>  
        </rip>  
    </protocols>  
</configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/routing-instances/instance/protocols/bgp/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <bfd-liveness-detection>  
           **<detection-time>**  
           <threshold>*milliseconds*</threshold>  
           **</detection-time>**  
           </bfd-liveness-detection>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/routing-instances/instance/protocols/bgp/group/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <routing-instances>  
           <instance>  
           <protocols>  
           <bgp>  
           <group>  
           <bfd-liveness-detection>  
           **<detection-time>**  
           <threshold>*milliseconds*</threshold>  
           **</detection-time>**  
           </bfd-liveness-detection>  
           </group>  
           </bgp>  
           </protocols>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/routing-instances/instance/protocols/bgp/group/neighbor/bfd-liveness-detection)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <protocols>  
                 <bgp>  
                     <group>  
                         <neighbor>  
                             <bfd-liveness-detection>  
                                 **<detection-time>**  
                                     <threshold>*milliseconds*</threshold>  
                                 **</detection-time>**  
                             </bfd-liveness-detection>  
                         </neighbor>  
                     </group>  
                 </bgp>  
             </protocols>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/routing-instances/instance/protocols/isis/interface/bfd-liveness-detection)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <protocols>  
                 <isis>  
                     <interface>  
                         <bfd-liveness-detection>  
                             **<detection-time>**  
                                 <threshold>*milliseconds*</threshold>  
                             **</detection-time>**  
                         </bfd-liveness-detection>  
                     </interface>  
                 </isis>  
             </protocols>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.



## **<detection-time> (configuration/routing-instances/instance/protocols/ldp/oam/bfd-liveness-detection)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <protocols>  
                 <ldp>  
                     <oam>  
                         <bfd-liveness-detection>  
                             **<detection-time>**  
                                 <threshold>*milliseconds*</threshold>  
                             **</detection-time>**  
                         </bfd-liveness-detection>  
                     </oam>  
                 </ldp>  
             </protocols>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/routing-instances/instance/protocols/ldp/oam/fec/bfd-liveness-detection)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <protocols>  
                 <ldp>  
                     <oam>  
                         <fec>  
                             <bfd-liveness-detection>  
                                 **<detection-time>**  
                                     <threshold>*milliseconds*</threshold>  
                                 **</detection-time>**  
                             </bfd-liveness-detection>  
                         </fec>  
                     </oam>  
                 </ldp>  
             </protocols>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/routing-instances/instance/protocols/ospf/area/interface/bfd-liveness-detection)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <protocols>  
                 <ospf>  
                     <area>  
                         <interface>  
                             <bfd-liveness-detection>  
                                 **<detection-time>**  
                                     <threshold>*milliseconds*</threshold>  
                                 **</detection-time>**  
                             </bfd-liveness-detection>  
                         </interface>  
                     </area>  
                 </ospf>  
             </protocols>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/routing-instances/instance/protocols/ospf3/area/interface/bfd-liveness-detection)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <protocols>  
                 <ospf3>  
                     <area>  
                         <interface>  
                             <bfd-liveness-detection>  
                                 **<detection-time>**  
                                     <threshold>*milliseconds*</threshold>  
                                 **</detection-time>**  
                             </bfd-liveness-detection>  
                         </interface>  
                     </area>  
                 </ospf3>  
             </protocols>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/routing-instances/instance/protocols/ospf3/realm/area/interface/bfd-liveness-detection)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <protocols>  
                 <ospf3>  
                     <realm>  
                         <area>  
                             <interface>  
                                 <bfd-liveness-detection>  
                                     **<detection-time>**  
   <threshold>*milliseconds*</threshold>  
                                     **</detection-time>**  
                                 </bfd-liveness-detection>  
                     </interface>  
                 </area>  
             </realm>  
         </ospf3>  
     </protocols>  
   </instance>  
</routing-instances>  
</configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/routing-instances/instance/protocols/pim/interface/bfd-liveness-detection)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <protocols>  
                 <pim>  
                     <interface>  
                         <bfd-liveness-detection>  
                             **<detection-time>**  
                                 <threshold>*milliseconds*</threshold>  
                             **</detection-time>**  
                         </bfd-liveness-detection>  
             </interface>  
         </pim>  
     </protocols>  
   </instance>  
</routing-instances>  
</configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/routing-instances/instance/protocols/rip/group/bfd-liveness-detection)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <protocols>  
                 <rip>  
                     <group>  
                         <bfd-liveness-detection>  
                             **<detection-time>**  
                                 <threshold>*milliseconds*</threshold>  
                             **</detection-time>**  
                         </bfd-liveness-detection>  
                     </group>  
                 </rip>  
             </protocols>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/routing-instances/instance/protocols/rip/group/neighbor/bfd-liveness-detection)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <protocols>  
                 <rip>  
                     <group>  
                         <neighbor>  
                             <bfd-liveness-detection>  
                                 **<detection-time>**  
                                     <threshold>*milliseconds*</threshold>  
                                 **</detection-time>**  
                             </bfd-liveness-detection>  
                         </neighbor>  
                     </group>  
                 </rip>  
             </protocols>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detec-tion-time> (configuration/routing-instances/instance/ routing-options/rib/static/iso-route/bfd-liveness-detection)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <routing-options>  
           <rib>  
           <static>  
           <iso-route>  
           <bfd-liveness-detection>  
               **<detec-tion-time>**  
                   <threshold>*milliseconds*</threshold>  
               **</detec-tion-time>**  
           </bfd-liveness-detection>  
           </iso-route>  
           </static>  
           </rib>  
           </routing-options>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Detection-time options.

**Contents**    <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/routing-instances/instance/routing-options/rib/static/iso-route/qualified-next-hop/bfd-liveness-detection)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <routing-options>
        <rib>
          <static>
            <iso-route>
              <qualified-next-hop>
                <bfd-liveness-detection>
                  <detection-time>
                    <threshold>milliseconds</threshold>
                  </detection-time>
                </bfd-liveness-detection>
              </qualified-next-hop>
            </iso-route>
          </static>
        </rib>
      </routing-options>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/routing-instances/instance/ routing-options/rib/static/route/bfd-liveness-detection)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <routing-options>  
           <rib>  
           <static>  
           <route>  
           <bfd-liveness-detection>  
             **<detection-time>**  
               <threshold>*milliseconds*</threshold>  
             **</detection-time>**  
           </bfd-liveness-detection>  
           </route>  
           </static>  
           </rib>  
           </routing-options>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Detection-time options.

**Contents**   <threshold>—High detection-time triggering a trap.

## **<detec-tion-time> (configuration/routing-instances/instance/routing-options/rib/static/route/qualified-next-hop/bfd-liveness-detection)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <routing-options>
        <rib>
          <static>
            <route>
              <qualified-next-hop>
                <bfd-liveness-detection>
                  <detec-tion-time>
                    <threshold>milliseconds</threshold>
                  </detec-tion-time>
                </bfd-liveness-detection>
              </qualified-next-hop>
            </route>
          </static>
        </rib>
      </routing-options>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.



### **<detection-time> (configuration/routing-instances/instance/ routing-options/static/iso-route/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <routing-options>  
                 <static>  
                   <iso-route>  
                     <bfd-liveness-detection>  
                       **<detection-time>**  
                         <threshold>*milliseconds*</threshold>  
                       **</detection-time>**  
                     </bfd-liveness-detection>  
                   </iso-route>  
                 </static>  
               </routing-options>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

### **<detection-time> (configuration/routing-instances/instance/ routing-options/static/iso-route/qualified-next-hop/ bfd-liveness-detection)**

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <routing-options>  
                 <static>  
                   <iso-route>  
                     <qualified-next-hop>  
                       <bfd-liveness-detection>  
                       **<detection-time>**  
                         <threshold>*milliseconds*</threshold>  
                       **</detection-time>**  
                     </bfd-liveness-detection>  
                   </qualified-next-hop>  
                 </iso-route>  
               </static>  
             </routing-options>  
           </instance>  
           </routing-instances>  
         </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/routing-instances/instance/routing-options/static/route/bfd-liveness-detection)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <routing-options>  
                 <static>  
                     <route>  
                         <bfd-liveness-detection>  
                             **<detection-time>**  
                                 <threshold>*milliseconds*</threshold>  
                             **</detection-time>**  
                         </bfd-liveness-detection>  
                     </route>  
                 </static>  
             </routing-options>  
         </instance>  
     </routing-instances>  
</configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/routing-instances/instance/routing-options/static/route/qualified-next-hop/bfd-liveness-detection)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <routing-options>  
                 <static>  
                     <route>  
                         <qualified-next-hop>  
                             <bfd-liveness-detection>  
                                 **<detection-time>**  
                                     <threshold>*milliseconds*</threshold>  
                                 **</detection-time>**  
                             </bfd-liveness-detection>  
                         </qualified-next-hop>  
             </route>  
         </static>  
     </routing-options>  
     </instance>  
     </routing-instances>  
</configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/routing-options/rib/static/iso-route/bfd-liveness-detection)**

---

**Usage**   <configuration>  
           <routing-options>  
           <rib>  
           <static>  
           <iso-route>  
           <bfd-liveness-detection>  
           **<detection-time>**  
           <threshold>*milliseconds*</threshold>  
           **</detection-time>**  
           </bfd-liveness-detection>  
           </iso-route>  
           </static>  
           </rib>  
           </routing-options>  
           </configuration>

**Description**   Detection-time options.

**Contents**   <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/routing-options/rib/static/iso-route/qualified-next-hop/bfd-liveness-detection)**

---

**Usage**   <configuration>  
           <routing-options>  
           <rib>  
           <static>  
           <iso-route>  
           <qualified-next-hop>  
           <bfd-liveness-detection>  
           **<detection-time>**  
           <threshold>*milliseconds*</threshold>  
           **</detection-time>**  
           </bfd-liveness-detection>  
           </qualified-next-hop>  
           </iso-route>  
           </static>  
           </rib>  
           </routing-options>  
           </configuration>

**Description**   Detection-time options.

**Contents**   <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/routing-options/rib/static/route/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <routing-options>  
             <rib>  
               <static>  
                 <route>  
                   <bfd-liveness-detection>  
                     **<detection-time>**  
                       <threshold>milliseconds</threshold>  
                     **</detection-time>**  
                   </bfd-liveness-detection>  
                 </route>  
               </static>  
             </rib>  
           </routing-options>  
         </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/routing-options/rib/static/route/qualified-next-hop/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <routing-options>  
             <rib>  
               <static>  
                 <route>  
                   <qualified-next-hop>  
                     <bfd-liveness-detection>  
                       **<detection-time>**  
                       <threshold>milliseconds</threshold>  
                       **</detection-time>**  
                     </bfd-liveness-detection>  
                   </qualified-next-hop>  
                 </route>  
               </static>  
             </rib>  
           </routing-options>  
         </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/routing-options/static/iso-route/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <routing-options>  
             <static>  
               <iso-route>  
                 <bfd-liveness-detection>  
                   **<detection-time>**  
                     <threshold>*milliseconds*</threshold>  
                   **</detection-time>**  
                 </bfd-liveness-detection>  
               </iso-route>  
             </static>  
           </routing-options>  
         </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detection-time> (configuration/routing-options/static/iso-route/qualified-next-hop/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <routing-options>  
             <static>  
               <iso-route>  
                 <qualified-next-hop>  
                   <bfd-liveness-detection>  
                     **<detection-time>**  
                       <threshold>*milliseconds*</threshold>  
                     **</detection-time>**  
                   </bfd-liveness-detection>  
                 </qualified-next-hop>  
               </iso-route>  
             </static>  
           </routing-options>  
         </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detec-tion-time> (configuration/routing-options/static/route/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <routing-options>  
             <static>  
               <route>  
                 <bfd-liveness-detection>  
                   **<detec-tion-time>**  
                     <threshold>milliseconds</threshold>  
                   **</detec-tion-time>**  
                 </bfd-liveness-detection>  
               </route>  
             </static>  
           </routing-options>  
         </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<detec-tion-time> (configuration/routing-options/static/route/qualified-next-hop/bfd-liveness-detection)**

---

**Usage** <configuration>  
           <routing-options>  
             <static>  
               <route>  
                 <qualified-next-hop>  
                   <bfd-liveness-detection>  
                     **<detec-tion-time>**  
                       <threshold>milliseconds</threshold>  
                     **</detec-tion-time>**  
                   </bfd-liveness-detection>  
                 </qualified-next-hop>  
               </route>  
             </static>  
           </routing-options>  
         </configuration>

**Description** Detection-time options.

**Contents** <threshold>—High detection-time triggering a trap.

## **<devices> (configuration/logical-systems/protocols/rsvp/tunnel-services)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;protocols&gt;       &lt;rsvp&gt;         &lt;tunnel-services&gt;           &lt;devices&gt;             &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;           &lt;/devices&gt;         &lt;/tunnel-services&gt;       &lt;/rsvp&gt;     &lt;/protocols&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Tunnel services devices to use for P2MP LSPs.
<b>Contents</b>	<name>—Tunnel services devices to use for P2MP LSPs.

## **<devices> (configuration/logical-systems/routing-instances/instance/protocols/l2vpn/tunnel-services)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-instances&gt;       &lt;instance&gt;         &lt;protocols&gt;           &lt;l2vpn&gt;             &lt;tunnel-services&gt;               &lt;devices&gt;                 &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;               &lt;/devices&gt;             &lt;/tunnel-services&gt;           &lt;/l2vpn&gt;         &lt;/protocols&gt;       &lt;/instance&gt;     &lt;/routing-instances&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Tunnel services devices to use for this VPLS instance.
<b>Contents</b>	<name>—Tunnel services devices to use for this VPLS instance.

## **<devices> (configuration/logical-systems/routing-instances/instance/protocols/vpls/tunnel-services)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <protocols>  
                     <vpls>  
                         <tunnel-services>  
                             **<devices>**  
                                 <name>name</name>   <!-- identifier -->  
                             **</devices>**  
                         </tunnel-services>  
                     </vpls>  
                 </protocols>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** Tunnel services devices to use for this VPLS instance.

**Contents** <name>—Tunnel services devices to use for this VPLS instance.

## **<devices> (configuration/protocols/rsvp/tunnel-services)**

---

**Usage** <configuration>  
     <protocols>  
         <rsvp>  
             <tunnel-services>  
                 **<devices>**  
                     <name>name</name>   <!-- identifier -->  
                 **</devices>**  
             </tunnel-services>  
         </rsvp>  
     </protocols>  
</configuration>

**Description** Tunnel services devices to use for P2MP LSPs.

**Contents** <name>—Tunnel services devices to use for P2MP LSPs.



## **<devices> (configuration/routing-instances/instance/protocols/l2vpn/tunnel-services)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <protocols>  
                 <l2vpn>  
                     <tunnel-services>  
                         **<devices>**  
                             <name>*name*</name>   <!-- identifier -->  
                         **</devices>**  
                     </tunnel-services>  
                 </l2vpn>  
             </protocols>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Tunnel services devices to use for this VPLS instance.

**Contents** <name>—Tunnel services devices to use for this VPLS instance.

## **<devices> (configuration/routing-instances/instance/protocols/vpls/tunnel-services)**

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <protocols>  
                 <vpls>  
                     <tunnel-services>  
                         **<devices>**  
                             <name>*name*</name>   <!-- identifier -->  
                         **</devices>**  
                     </tunnel-services>  
                 </vpls>  
             </protocols>  
         </instance>  
     </routing-instances>  
 </configuration>

**Description** Tunnel services devices to use for this VPLS instance.

**Contents** <name>—Tunnel services devices to use for this VPLS instance.

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

---

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

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;apn&gt;         &lt;dhcp&gt;           &lt;server&gt;...&lt;/server&gt;           &lt;shared-server&gt;...&lt;/shared-server&gt;           &lt;gtp-cpic-ipaddress/&gt;           &lt;imsi/&gt;           &lt;nsapi/&gt;           &lt;msisdn/&gt;         &lt;/dhcp&gt;       &lt;/apn&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	DHCP server configuration.
<b>Contents</b>	<p>&lt;gtp-cpic-ipaddress&gt;—Include GTP-C_PIC_IP-address in Client ID parameter (Option 61).</p> <p>&lt;imsi&gt;—Include IMSI in Client ID parameter (Option 61).</p> <p>&lt;msisdn&gt;—Include MSISDN in Client ID parameter (Option 61).</p> <p>&lt;nsapi&gt;—Include NSAPI in Client ID parameter (Option 61).</p> <p>&lt;server&gt;—DHCP server for APN.</p> <p>&lt;shared-server&gt;—Shared DHCP server configuration.</p>

**<dhcp> (configuration/system/services)**

---

**Usage** <configuration>  
           <system>  
           <services>  
           **<dhcp>**  
             <maximum-lease-time>*maximum-lease-time-choice*</maximum-lease-time>  
             <default-lease-time>*default-lease-time-choice*</default-lease-time>  
             <domain-name>*domain-name*</domain-name>  
             <name-server>...</name-server>  
             <domain-search>...</domain-search>  
             <wins-server>...</wins-server>  
             <router>...</router>  
             <boot-file>*boot-file*</boot-file>  
             <boot-server>*boot-server*</boot-server>  
             <next-server>*next-server*</next-server>  
             <server-identifier>*server-identifier*</server-identifier>  
             <option>...</option>  
             <traceoptions>...</traceoptions>  
             <pool>...</pool>  
             <static-binding>...</static-binding>  
           **</dhcp>**  
         </services>  
       </system>  
     </configuration>

**Description** Configure DHCP server.

**Contents** <boot-file>—Boot filename advertised to clients.

<boot-server>—Boot server advertised to clients.

<default-lease-time>—Default lease time advertised to clients.

- **infinite**—Lease never expires.
- **length**—Number of seconds.

<domain-name>—Domain name advertised to clients.

<domain-search>—Domain search list used to resolve hostnames.

<maximum-lease-time>—Maximum lease time advertised to clients.

- **infinite**—Lease time can be infinite.
- **length**—Number of seconds.

<name-server>—Domain name servers available to the client.

<next-server>—Next server that clients need to contact.

<option>—DHCP option.

<pool>—DHCP address pool.

<router>—Routers advertised to clients.

<server-identifier>—DHCP server identifier advertised to clients.

<static-binding>—DHCP client's hardware address.

<traceoptions>—DHCP server trace options.

<wins-server>—NetBIOS name servers.

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

---

**Usage** <configuration>  
     <access>  
         <address-assignment>  
             <pool>  
                 <family>  
                     <inet>  
                         **<dhcp-attributes>**  
                             <option-match>...</option-match>  
                             <maximum-lease-time>*maximum-lease-time-choice*  
                                 </maximum-lease-time>  
                             <grace-period>*seconds*</grace-period>  
                             <domain-name>*domain-name*</domain-name>  
                             <name-server>...</name-server>  
                             <wins-server>...</wins-server>  
                             <router>...</router>  
                             <boot-file>*boot-file*</boot-file>  
                             <boot-server>*boot-server*</boot-server>  
                             <tftp-server>*tftp-server*</tftp-server>  
                             <netbios-node-type>*netbios-node-type-choice*</netbios-node-type>  
                             <option>...</option>  
                         **</dhcp-attributes>**  
                     </inet>  
                 </family>  
             </pool>  
         </address-assignment>  
     </access>  
</configuration>

**Description** DHCP options and match criteria.

**Contents** <boot-file>—Boot filename advertised to clients.

<boot-server>—Boot server advertised to clients.

<domain-name>—Domain name advertised to clients.

<grace-period>—Grace period for leases.

<maximum-lease-time>—Maximum lease time advertised to clients.

- infinite—Lease time can be infinite.
- length—Number of seconds.

<name-server>—Domain name servers available to the client.

<netbios-node-type>—Type of NETBIOS node advertised to clients.

- b-node—Broadcast node.
- h-node—Hybrid node.

- **m-node**—Mixed Node.
  - **p-node**—Peer-to-peer node.
- <option>**—DHCP option.
- <option-match>**—Match.
- <router>**—Routers advertised to clients.
- <tftp-server>**—TFTP server advertised to clients.
- <wins-server>**—WINS name servers.

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

---

**Usage** <configuration>  
     <logical-systems>  
         <access>  
             <address-assignment>  
                 <pool>  
                     <family>  
                         <inet>  
                             **<dhcp-attributes>**  
                                 <option-match>...</option-match>  
                                 <maximum-lease-time>*maximum-lease-time-choice*  
                                     </maximum-lease-time>  
                                 <grace-period>*seconds*</grace-period>  
                                 <domain-name>*domain-name*</domain-name>  
                                 <name-server>...</name-server>  
                                 <wins-server>...</wins-server>  
                                 <router>...</router>  
                                 <boot-file>*boot-file*</boot-file>  
                                 <boot-server>*boot-server*</boot-server>  
                                 <tftp-server>*tftp-server*</tftp-server>  
                                 <netbios-node-type>*netbios-node-type-choice*</netbios-node-type>  
                                 <option>...</option>  
                             **</dhcp-attributes>**  
                         </inet>  
                     </family>  
                 </pool>  
             </address-assignment>  
         </access>  
     </logical-systems>  
</configuration>

**Description** DHCP options and match criteria.

**Contents** <boot-file>—Boot filename advertised to clients.

<boot-server>—Boot server advertised to clients.

<domain-name>—Domain name advertised to clients.

<grace-period>—Grace period for leases.

<maximum-lease-time>—Maximum lease time advertised to clients.

- infinite—Lease time can be infinite.
- length—Number of seconds.

<name-server>—Domain name servers available to the client.

<netbios-node-type>—Type of NETBIOS node advertised to clients.

- b-node—Broadcast node.

- **h-node**—Hybrid node.
- **m-node**—Mixed Node.
- **p-node**—Peer-to-peer node.

**<option>**—DHCP option.

**<option-match>**—Match.

**<router>**—Routers advertised to clients.

**<tftp-server>**—TFTP server advertised to clients.

**<wins-server>**—WINS name servers.



## **<dhcp-attributes> (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>  
                                     **<dhcp-attributes>**  
   <option-match>...</option-match>  
   <maximum-lease-time>*maximum-lease-time-choice*  
   </maximum-lease-time>  
   <grace-period>*seconds*</grace-period>  
   <domain-name>*domain-name*</domain-name>  
   <name-server>...</name-server>  
   <wins-server>...</wins-server>  
   <router>...</router>  
   <boot-file>*boot-file*</boot-file>  
   <boot-server>*boot-server*</boot-server>  
   <tftp-server>*tftp-server*</tftp-server>  
   <netbios-node-type>*netbios-node-type-choice*  
   </netbios-node-type>  
   <option>...</option>  
                                     **</dhcp-attributes>**  
                                 </inet>  
                             </family>  
                         </pool>  
                     </address-assignment>  
                 </access>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** DHCP options and match criteria.

**Contents** <boot-file>—Boot filename advertised to clients.

<boot-server>—Boot server advertised to clients.

<domain-name>—Domain name advertised to clients.

<grace-period>—Grace period for leases.

<maximum-lease-time>—Maximum lease time advertised to clients.

- infinite—Lease time can be infinite.
- length—Number of seconds.

<name-server>—Domain name servers available to the client.

<netbios-node-type>—Type of NETBIOS node advertised to clients.

- b-node—Broadcast node.
- h-node—Hybrid node.
- m-node—Mixed Node.
- p-node—Peer-to-peer node.

<option>—DHCP option.

<option-match>—Match.

<router>—Routers advertised to clients.

<tftp-server>—TFTP server advertised to clients.

<wins-server>—WINS name servers.

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

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <access>  
                 <address-assignment>  
                     <pool>  
                         <family>  
                             <inet>  
                                 **<dhcp-attributes>**  
                                     <option-match>...</option-match>  
                                     <maximum-lease-time>*maximum-lease-time-choice*  
   </maximum-lease-time>  
                                     <grace-period>*seconds*</grace-period>  
                                     <domain-name>*domain-name*</domain-name>  
                                     <name-server>...</name-server>  
                                     <wins-server>...</wins-server>  
                                     <router>...</router>  
                                     <boot-file>*boot-file*</boot-file>  
                                     <boot-server>*boot-server*</boot-server>  
                                     <tftp-server>*tftp-server*</tftp-server>  
                                     <netbios-node-type>*netbios-node-type-choice*</netbios-node-type>  
                                     <option>...</option>  
                                 **</dhcp-attributes>**  
                             </inet>  
                         </family>  
                     </pool>  
                 </address-assignment>  
             </access>  
         </instance>  
     </routing-instances>  
</configuration>

**Description** DHCP options and match criteria.

**Contents** <boot-file>—Boot filename advertised to clients.

<boot-server>—Boot server advertised to clients.

<domain-name>—Domain name advertised to clients.

<grace-period>—Grace period for leases.

<maximum-lease-time>—Maximum lease time advertised to clients.

- infinite—Lease time can be infinite.
- length—Number of seconds.

<name-server>—Domain name servers available to the client.

<netbios-node-type>—Type of NETBIOS node advertised to clients.

- b-node—Broadcast node.
  - h-node—Hybrid node.
  - m-node—Mixed Node.
  - p-node—Peer-to-peer node.
- <option>—DHCP option.
- <option-match>—Match.
- <router>—Routers advertised to clients.
- <tftp-server>—TFTP server advertised to clients.
- <wins-server>—WINS name servers.

## **<dhcp-gi-address> (configuration/access/profile/radius/attributes/exclude)**

---

**Usage**

```

<configuration>
  <access>
    <profile>
      <radius>
        <attributes>
          <exclude>
            <dhcp-gi-address>
              <name>name</name>    <!-- identifier -->
            </dhcp-gi-address>
          </exclude>
        </attributes>
      </radius>
    </profile>
  </access>
</configuration>

```

**Description** Excludes RADIUS attribute 26-57, DHCP-GI-Address.

**Contents** <name>—Excludes RADIUS attribute 26-57, DHCP-GI-Address.

- access-request—RADIUS Access-Request message.
- accounting-start—RADIUS Accounting-Start message.
- accounting-stop—RADIUS Accounting-Stop message.

## **<dhcp-local-server> (configuration/logical-systems/ routing-instances/instance/system/services)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <system>  
           <services>  
           **<dhcp-local-server>**  
           <traceoptions>...</traceoptions>  
           <pool-match-order>...</pool-match-order>  
           <authentication>...</authentication>  
           <overrides>...</overrides>  
           <dynamic-profile>...</dynamic-profile>  
           <group>...</group>  
           **</dhcp-local-server>**  
           </services>  
           </system>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Dynamic Host Configuration Protocol server configuration.

**Contents**   <authentication>—DHCP authentication.

          <dynamic-profile>—Dynamic profile to use.

          <group>—Define a DHCP local server group.

          <overrides>—DHCP override processing.

          <pool-match-order>—Define order of attribute matching for pool selection.

          <traceoptions>—DHCP local server trace options.

## **<dhcp-local-server> (configuration/logical-systems/system/services)**

---

**Usage**   <configuration>  
               <logical-systems>  
                   <system>  
                       <services>  
                           **<dhcp-local-server>**  
                               <traceoptions>...</traceoptions>  
                               <pool-match-order>...</pool-match-order>  
                               <authentication>...</authentication>  
                               <overrides>...</overrides>  
                               <dynamic-profile>...</dynamic-profile>  
                               <group>...</group>  
                           **</dhcp-local-server>**  
                       </services>  
                   </system>  
               </logical-systems>  
           </configuration>

**Description**   Dynamic Host Configuration Protocol server configuration.

**Contents**   <authentication>—DHCP authentication.

              <dynamic-profile>—Dynamic profile to use.

              <group>—Define a DHCP local server group.

              <overrides>—DHCP override processing.

              <pool-match-order>—Define order of attribute matching for pool selection.

              <traceoptions>—DHCP local server trace options.

## **<dhcp-local-server> (configuration/routing-instances/instance/system/services)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <system>  
           <services>  
             **<dhcp-local-server>**  
             <traceoptions>...</traceoptions>  
             <pool-match-order>...</pool-match-order>  
             <authentication>...</authentication>  
             <overrides>...</overrides>  
             <dynamic-profile>...</dynamic-profile>  
             <group>...</group>  
             **</dhcp-local-server>**  
           </services>  
         </system>  
       </instance>  
     </routing-instances>  
 </configuration>

**Description**   Dynamic Host Configuration Protocol server configuration.

**Contents**   <authentication>—DHCP authentication.

              <dynamic-profile>—Dynamic profile to use.

              <group>—Define a DHCP local server group.

              <overrides>—DHCP override processing.

              <pool-match-order>—Define order of attribute matching for pool selection.

              <traceoptions>—DHCP local server trace options.

**<dhcp-local-server> (configuration/system/services)**

---

**Usage**   <configuration>  
           <system>  
           <services>  
             **<dhcp-local-server>**  
               <traceoptions>...</traceoptions>  
               <pool-match-order>...</pool-match-order>  
               <authentication>...</authentication>  
               <overrides>...</overrides>  
               <dynamic-profile>...</dynamic-profile>  
               <group>...</group>  
             **</dhcp-local-server>**  
           </services>  
         </system>  
       </configuration>

**Description**   Dynamic Host Configuration Protocol server configuration.

**Contents**   <authentication>—DHCP authentication.

              <dynamic-profile>—Dynamic profile to use.

              <group>—Define a DHCP local server group.

              <overrides>—DHCP override processing.

              <pool-match-order>—Define order of attribute matching for pool selection.

              <traceoptions>—DHCP local server trace options.



## **<dhcp-mac-address> (configuration/access/profile/radius/attributes/exclude)**

---

**Usage**   <configuration>  
           <access>  
           <profile>  
           <radius>  
           <attributes>  
           <exclude>  
             **<dhcp-mac-address>**  
               <name>name</name>   <!-- identifier -->  
             **</dhcp-mac-address>**  
           </exclude>  
           </attributes>  
           </radius>  
           </profile>  
           </access>  
         </configuration>

**Description**   Excludes RADIUS attribute 26-56, DHCP-MAC-Address.

**Contents**   <name>—Excludes RADIUS attribute 26-56, DHCP-MAC-Address.

- access-request—RADIUS Access-Request message.
- accounting-start—RADIUS Accounting-Start message.
- accounting-stop—RADIUS Accounting-Stop message.

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

---

**Usage** <configuration>  
           <forwarding-options>  
             <helpers>  
               <bootp>  
                 **<dhcp-option82>**  
                   <disable/>  
                   <circuit-id>...</circuit-id>  
                   <remote-id>...</remote-id>  
                   <vendor-id>...</vendor-id>  
                 **</dhcp-option82>**  
               </bootp>  
             </helpers>  
           </forwarding-options>  
         </configuration>

**Description** Configure DHCP option 82.

**Contents** <circuit-id>—Configure DHCP option 82 circuit id.  
               <disable>—Disable DHCP option 82 on this VLAN.  
               <remote-id>—Configure DHCP option 82 remote id.  
               <vendor-id>—Configure DHCP option 82 vendor id.

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

---

**Usage**   <configuration>  
           <forwarding-options>  
           <helpers>  
           <bootp>  
           <interface>  
             **<dhcp-option82>**  
             <disable/>  
             <circuit-id>...</circuit-id>  
             <remote-id>...</remote-id>  
             <vendor-id>...</vendor-id>  
             **</dhcp-option82>**  
           </interface>  
         </bootp>  
       </helpers>  
     </forwarding-options>  
 </configuration>

**Description**   Configure DHCP option 82.

**Contents**   <circuit-id>—Configure DHCP option 82 circuit id.  
               <disable>—Disable DHCP option 82 on this VLAN.  
               <remote-id>—Configure DHCP option 82 remote id.  
               <vendor-id>—Configure DHCP option 82 vendor id.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <forwarding-options>
          <helpers>
            <bootp>
              <dhcp-option82>
                <disable/>
                <circuit-id>...</circuit-id>
                <remote-id>...</remote-id>
                <vendor-id>...</vendor-id>
              </dhcp-option82>
            </bootp>
          </helpers>
        </forwarding-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Configure DHCP option 82.

**Contents**

- <circuit-id>—Configure DHCP option 82 circuit id.
- <disable>—Disable DHCP option 82 on this VLAN.
- <remote-id>—Configure DHCP option 82 remote id.
- <vendor-id>—Configure DHCP option 82 vendor id.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <forwarding-options>
          <helpers>
            <bootp>
              <interface>
                <dhcp-option82>
                  <disable/>
                  <circuit-id>...</circuit-id>
                  <remote-id>...</remote-id>
                  <vendor-id>...</vendor-id>
                </dhcp-option82>
              </interface>
            </bootp>
          </helpers>
        </forwarding-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Configure DHCP option 82.

**Contents**

- <circuit-id>—Configure DHCP option 82 circuit id.
- <disable>—Disable DHCP option 82 on this VLAN.
- <remote-id>—Configure DHCP option 82 remote id.
- <vendor-id>—Configure DHCP option 82 vendor id.

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

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <forwarding-options>  
           <helpers>  
           <bootp>  
             **<dhcp-option82>**  
               <disable/>  
               <circuit-id>...</circuit-id>  
               <remote-id>...</remote-id>  
               <vendor-id>...</vendor-id>  
             **</dhcp-option82>**  
           </bootp>  
           </helpers>  
           </forwarding-options>  
           </instance>  
           </routing-instances>  
         </configuration>

**Description**   Configure DHCP option 82.

**Contents**   <circuit-id>—Configure DHCP option 82 circuit id.  
               <disable>—Disable DHCP option 82 on this VLAN.  
               <remote-id>—Configure DHCP option 82 remote id.  
               <vendor-id>—Configure DHCP option 82 vendor id.

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

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <forwarding-options>  
           <helpers>  
           <bootp>  
           <interface>  
             **<dhcp-option82>**  
               <disable/>  
               <circuit-id>...</circuit-id>  
               <remote-id>...</remote-id>  
               <vendor-id>...</vendor-id>  
             **</dhcp-option82>**  
           </interface>  
           </bootp>  
           </helpers>  
           </forwarding-options>  
           </instance>  
           </routing-instances>  
         </configuration>

**Description**   Configure DHCP option 82.

**Contents**   <circuit-id>—Configure DHCP option 82 circuit id.  
               <disable>—Disable DHCP option 82 on this VLAN.  
               <remote-id>—Configure DHCP option 82 remote id.  
               <vendor-id>—Configure DHCP option 82 vendor id.

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

---

**Usage**   <configuration>  
          <access>  
          <profile>  
          <radius>  
          <attributes>  
          <exclude>  
            **<dhcp-options>**  
              <name>name</name>   <!-- identifier -->  
            **</dhcp-options>**  
          </exclude>  
          </attributes>  
          </radius>  
          </profile>  
          </access>  
          </configuration>

**Description**   Excludes RADIUS attribute 26-55, DHCP-Options.

**Contents**   <name>—Excludes RADIUS attribute 26-55, DHCP-Options.

- access-request—RADIUS Access-Request message.
- accounting-start—RADIUS Accounting-Start message.
- accounting-stop—RADIUS Accounting-Stop message.



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

---

**Usage**   <configuration>  
               <bridge-domains>  
               <domain>  
               <forwarding-options>  
                   **<dhcp-relay>**  
                   <traceoptions>...</traceoptions>  
                   <authentication>...</authentication>  
                   <dynamic-profile>...</dynamic-profile>  
                   <overrides>...</overrides>  
                   <relay-option-60>...</relay-option-60>  
                   <relay-option-82>...</relay-option-82>  
                   <server-group>...</server-group>  
                   <active-server-group>*active-server-group*</active-server-group>  
                   <group>...</group>  
                   **</dhcp-relay>**  
               </forwarding-options>  
               </domain>  
               </bridge-domains>  
               </configuration>

**Description**   Dynamic Host Configuration Protocol relay configuration.

**Contents**   <active-server-group>—Name of DHCP server group.

                  <authentication>—DHCP authentication.

                  <dynamic-profile>—Dynamic profile to use.

                  <group>—Define a DHCP group.

                  <overrides>—DHCP override processing.

                  <relay-option-60>—DHCP option-60 processing.

                  <relay-option-82>—DHCP option-82 processing.

                  <server-group>—Define a DHCP server group.

                  <traceoptions>—DHCP relay trace options.

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

---

**Usage**   <configuration>  
               <forwarding-options>  
                   <dhcp-relay>  
                     <traceoptions>...</traceoptions>  
                     <authentication>...</authentication>  
                     <dynamic-profile>...</dynamic-profile>  
                     <overrides>...</overrides>  
                     <relay-option-60>...</relay-option-60>  
                     <relay-option-82>...</relay-option-82>  
                     <server-group>...</server-group>  
                     <active-server-group>*active-server-group*</active-server-group>  
                     <group>...</group>  
                   </dhcp-relay>  
               </forwarding-options>  
           </configuration>

**Description**   Dynamic Host Configuration Protocol relay configuration.

**Contents**   <active-server-group>—Name of DHCP server group.

              <authentication>—DHCP authentication.

              <dynamic-profile>—Dynamic profile to use.

              <group>—Define a DHCP group.

              <overrides>—DHCP override processing.

              <relay-option-60>—DHCP option-60 processing.

              <relay-option-82>—DHCP option-82 processing.

              <server-group>—Define a DHCP server group.

              <traceoptions>—DHCP relay trace options.

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

---

**Usage** <configuration>  
           <logical-systems>  
             <forwarding-options>  
               **<dhcp-relay>**  
                 <traceoptions>...</traceoptions>  
                 <authentication>...</authentication>  
                 <dynamic-profile>...</dynamic-profile>  
                 <overrides>...</overrides>  
                 <relay-option-60>...</relay-option-60>  
                 <relay-option-82>...</relay-option-82>  
                 <server-group>...</server-group>  
                 <active-server-group>*active-server-group*</active-server-group>  
                 <group>...</group>  
               **</dhcp-relay>**  
             </forwarding-options>  
           </logical-systems>  
         </configuration>

**Description** Dynamic Host Configuration Protocol relay configuration.

**Contents** <active-server-group>—Name of DHCP server group.

<authentication>—DHCP authentication.

<dynamic-profile>—Dynamic profile to use.

<group>—Define a DHCP group.

<overrides>—DHCP override processing.

<relay-option-60>—DHCP option-60 processing.

<relay-option-82>—DHCP option-82 processing.

<server-group>—Define a DHCP server group.

<traceoptions>—DHCP relay trace options.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <bridge-domains>
          <domain>
            <forwarding-options>
              <dhcp-relay>
                <traceoptions>...</traceoptions>
                <authentication>...</authentication>
                <dynamic-profile>...</dynamic-profile>
                <overrides>...</overrides>
                <relay-option-60>...</relay-option-60>
                <relay-option-82>...</relay-option-82>
                <server-group>...</server-group>
                <active-server-group>active-server-group</active-server-group>
                <group>...</group>
              </dhcp-relay>
            </forwarding-options>
          </domain>
        </bridge-domains>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Dynamic Host Configuration Protocol relay configuration.

**Contents** <active-server-group>—Name of DHCP server group.

<authentication>—DHCP authentication.

<dynamic-profile>—Dynamic profile to use.

<group>—Define a DHCP group.

<overrides>—DHCP override processing.

<relay-option-60>—DHCP option-60 processing.

<relay-option-82>—DHCP option-82 processing.

<server-group>—Define a DHCP server group.

<traceoptions>—DHCP relay trace options.

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

---

**Usage**   <configuration>  
               <logical-systems>  
               <routing-instances>  
               <instance>  
               <forwarding-options>  
               **<dhcp-relay>**  
                   <traceoptions>...</traceoptions>  
                   <authentication>...</authentication>  
                   <dynamic-profile>...</dynamic-profile>  
                   <overrides>...</overrides>  
                   <relay-option-60>...</relay-option-60>  
                   <relay-option-82>...</relay-option-82>  
                   <server-group>...</server-group>  
                   <active-server-group>*active-server-group*</active-server-group>  
                   <group>...</group>  
               **</dhcp-relay>**  
               </forwarding-options>  
               </instance>  
               </routing-instances>  
               </logical-systems>  
               </configuration>

**Description**   Dynamic Host Configuration Protocol relay configuration.

**Contents**   <active-server-group>—Name of DHCP server group.

              <authentication>—DHCP authentication.

              <dynamic-profile>—Dynamic profile to use.

              <group>—Define a DHCP group.

              <overrides>—DHCP override processing.

              <relay-option-60>—DHCP option-60 processing.

              <relay-option-82>—DHCP option-82 processing.

              <server-group>—Define a DHCP server group.

              <traceoptions>—DHCP relay trace options.

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

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <bridge-domains>
        <domain>
          <forwarding-options>
            <dhcp-relay>
              <traceoptions>...</traceoptions>
              <authentication>...</authentication>
              <dynamic-profile>...</dynamic-profile>
              <overrides>...</overrides>
              <relay-option-60>...</relay-option-60>
              <relay-option-82>...</relay-option-82>
              <server-group>...</server-group>
              <active-server-group>active-server-group</active-server-group>
              <group>...</group>
            </dhcp-relay>
          </forwarding-options>
        </domain>
      </bridge-domains>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Dynamic Host Configuration Protocol relay configuration.

**Contents** <active-server-group>—Name of DHCP server group.

<authentication>—DHCP authentication.

<dynamic-profile>—Dynamic profile to use.

<group>—Define a DHCP group.

<overrides>—DHCP override processing.

<relay-option-60>—DHCP option-60 processing.

<relay-option-82>—DHCP option-82 processing.

<server-group>—Define a DHCP server group.

<traceoptions>—DHCP relay trace options.

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

---

**Usage**   <configuration>  
               <routing-instances>  
               <instance>  
               <forwarding-options>  
               **<dhcp-relay>**  
                   <traceoptions>...</traceoptions>  
                   <authentication>...</authentication>  
                   <dynamic-profile>...</dynamic-profile>  
                   <overrides>...</overrides>  
                   <relay-option-60>...</relay-option-60>  
                   <relay-option-82>...</relay-option-82>  
                   <server-group>...</server-group>  
                   <active-server-group>*active-server-group*</active-server-group>  
                   <group>...</group>  
               **</dhcp-relay>**  
               </forwarding-options>  
               </instance>  
               </routing-instances>  
               </configuration>

**Description**   Dynamic Host Configuration Protocol relay configuration.

**Contents**   <active-server-group>—Name of DHCP server group.

                  <authentication>—DHCP authentication.

                  <dynamic-profile>—Dynamic profile to use.

                  <group>—Define a DHCP group.

                  <overrides>—DHCP override processing.

                  <relay-option-60>—DHCP option-60 processing.

                  <relay-option-82>—DHCP option-82 processing.

                  <server-group>—Define a DHCP server group.

                  <traceoptions>—DHCP relay trace options.

**<diag-port-authentication> (configuration/system)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;system&gt;     &lt;diag-port-authentication&gt;       &lt;plain-text-password-value&gt;plain-text-password-value       &lt;/plain-text-password-value&gt;       &lt;encrypted-password&gt;encrypted-password&lt;/encrypted-password&gt;     &lt;/diag-port-authentication&gt;   &lt;/system&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Authentication for the diagnostic port.
<b>Contents</b>	<p>&lt;encrypted-password&gt;—Encrypted password string.</p> <p>&lt;plain-text-password-value&gt;—Plain text password.</p>

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;dynamic-profiles&gt;     &lt;interfaces&gt;       &lt;interface&gt;         &lt;unit&gt;           &lt;dial-options&gt;             &lt;l2tp-interface-id&gt;l2tp-interface-id&lt;/l2tp-interface-id&gt;             &lt;ipsec-interface-id&gt;ipsec-interface-id&lt;/ipsec-interface-id&gt;             &lt;dedicated/&gt;             &lt;shared/&gt;           &lt;/dial-options&gt;         &lt;/unit&gt;       &lt;/interface&gt;     &lt;/interfaces&gt;   &lt;/dynamic-profiles&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Dial options.
<b>Contents</b>	<p>&lt;dedicated&gt;—Use this unit for only one PPP/IPSec session.</p> <p>&lt;ipsec-interface-id&gt;—Identifier for group of dynamic peers.</p> <p>&lt;l2tp-interface-id&gt;—Identifier for group of PPP sessions.</p> <p>&lt;shared&gt;—Share this unit for multiple PPP/IPSec sessions.</p>



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

---

**Usage**   <configuration>  
               <interfaces>  
               <interface>  
               <unit>  
                   **<dial-options>**  
                   <l2tp-interface-id>*l2tp-interface-id*</l2tp-interface-id>  
                   <ipsec-interface-id>*ipsec-interface-id*</ipsec-interface-id>  
                   <dedicated/>  
                   <shared/>  
                   **</dial-options>**  
               </unit>  
               </interface>  
               </interfaces>  
               </configuration>

**Description**   Dial options.

**Contents**   <dedicated>—Use this unit for only one PPP/IPSec session.

              <ipsec-interface-id>—Identifier for group of dynamic peers.

              <l2tp-interface-id>—Identifier for group of PPP sessions.

              <shared>—Share this unit for multiple PPP/IPSec sessions.

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

---

**Usage**   <configuration>  
           <logical-systems>  
           <interfaces>  
           <interface>  
           <unit>  
           **<dial-options>**  
           <l2tp-interface-id>l2tp-interface-id</l2tp-interface-id>  
           <ipsec-interface-id>ipsec-interface-id</ipsec-interface-id>  
           <dedicated/>  
           <shared/>  
           **</dial-options>**  
           </unit>  
           </interface>  
           </interfaces>  
           </logical-systems>  
           </configuration>

**Description**   Dial options.

**Contents**   <dedicated>—Use this unit for only one PPP/IPSec session.

              <ipsec-interface-id>—Identifier for group of dynamic peers.

              <l2tp-interface-id>—Identifier for group of PPP sessions.

              <shared>—Share this unit for multiple PPP/IPSec sessions.

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

---

**Usage** <configuration>  
     <services>  
         <ggsn>  
             <service-based-charging>  
                 <diameter-application-system>  
                     <name>name</name>   <!-- identifier -->  
                     <destination-realm>destination-realm  
                         </destination-realm>   <!-- mandatory -->  
                     <application-id>application-id-choice</application-id>   <!-- mandatory -->  
                     <peer>...</peer>   <!-- mandatory -->  
                     <allow-cc-session-failover/>  
                     <timeout>timeout</timeout>  
                     <request-window-size>request-window-size</request-window-size>  
                     <requests-per-second>requests-per-second</requests-per-second>  
                     <access-type>access-type-choice</access-type>  
                 </diameter-application-system>  
             </service-based-charging>  
         </ggsn>  
     </services>  
</configuration>

**Description** Diameter application systems.

**Contents** <access-type>—Connection type.

- agent—The diameter application server is accessed via an agent.
- direct—Direct access to the diameter application server.

<allow-cc-session-failover>—Allow failover for credit control session.

<application-id>—Vendor-specific application identity.

- application-identifier—Application identity < application > or Vendor application identity < vendor > : < application > .

- gx—Charging Rule Provisioning Protocol.

- ro—Online charging protocols based on the DCCA application.

- scap—Service Charging Application Protocol.

- srp—Service Rating Application Protocol.

<destination-realm>—Destination realm.

<name>—Diameter application system identifier.

<peer>—Diameter peers and priorities.

<request-window-size>—Maximum number of outstanding requests.

<requests-per-second>—Maximum requests per second.

<timeout>—Communication timeout.

## **<diameter-host> (configuration/services/ggsn/service-based-charging)**

---

**Usage**   <configuration>  
          <services>  
          <ggsn>  
          <service-based-charging>  
            **<diameter-host>**  
              <name>*name*</name>    <!-- identifier -->  
              <host-name>*host-name*</host-name>    <!-- mandatory -->  
            **</diameter-host>**  
          </service-based-charging>  
          </ggsn>  
          </services>  
          </configuration>

**Description**   Diameter hosts.

**Contents**   <host-name>—Diameter host specified as fully qualified domain name.

          <name>—Host identifier.

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;service-based-charging&gt;         &lt;diameter-peer&gt;           &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;           &lt;address&gt;address&lt;/address&gt;  &lt;!-- mandatory --&gt;           &lt;host&gt;host&lt;/host&gt;           &lt;port&gt;port&lt;/port&gt;    &lt;!-- mandatory --&gt;           &lt;watchdog&gt;...&lt;/watchdog&gt;         &lt;/diameter-peer&gt;       &lt;/service-based-charging&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Diameter peers.
<b>Contents</b>	<p>&lt;address&gt;—Peer address.</p> <p>&lt;host&gt;—Diameter host identifier associated with the peer.</p> <p>&lt;name&gt;—Peer identifier.</p> <p>&lt;port&gt;—Peer port number.</p> <p>&lt;watchdog&gt;—No documentation is available yet.</p>

## **<diameter-service> (configuration/system/processes)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;system&gt;     &lt;processes&gt;       &lt;diameter-service&gt;         &lt;disable/&gt;         &lt;traceoptions&gt;...&lt;/traceoptions&gt;       &lt;/diameter-service&gt;     &lt;/processes&gt;   &lt;/system&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Diameter process.
<b>Contents</b>	<p>&lt;disable&gt;—Disable diameter process.</p> <p>&lt;traceoptions&gt;—Diameter service trace options.</p>

**<diffserv> (configuration/services/pgcp/gateway/h248-properties)**

---

**Usage** <configuration>  
           <services>  
             <pgcp>  
               <gateway>  
                 <h248-properties>  
                   **<diffserv>**  
                     <dscp>...</dscp>  
                   **</diffserv>**  
                 </h248-properties>  
               </gateway>  
             </pgcp>  
           </services>  
         </configuration>

**Description** No documentation is available yet.

**Contents** <dscp>—Differentiated Services code point (DSCP).

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

---

**Usage** <configuration>  
           <logical-systems>  
             <protocols>  
               <mpls>  
                 **<diffserv-te>**  
                   <bandwidth-model>*bandwidth-model-choice*</bandwidth-model>  
                   <te-class-matrix>...</te-class-matrix>  
                 **</diffserv-te>**  
               </mpls>  
             </protocols>  
           </logical-systems>  
         </configuration>

**Description** Global diffserv-traffic-engineering options.

**Contents** <bandwidth-model>—Bandwidth constraint model supported.

- extended-mam—Maximum allocation model with support for E-LSPs.
- mam—Maximum allocation model.
- rdm—Russian dolls model.

<te-class-matrix>—Supported combinations of traffic-class and preemption.

**<diffserv-te> (configuration/protocols/mpls)**

---

**Usage** <configuration>  
           <protocols>  
           <mpls>  
             **<diffserv-te>**  
               <bandwidth-model>*bandwidth-model-choice*</bandwidth-model>  
               <te-class-matrix>...</te-class-matrix>  
             **</diffserv-te>**  
           </mpls>  
         </protocols>  
       </configuration>

**Description** Global diffserv-traffic-engineering options.

**Contents** <bandwidth-model>—Bandwidth constraint model supported.

- extended-mam—Maximum allocation model with support for E-LSPs.
- mam—Maximum allocation model.
- rdm—Russian dolls model.

<te-class-matrix>—Supported combinations of traffic-class and preemption.

## **<digital-link> (configuration/dynamic-profiles/interfaces/interface/e3-options/compatibility-mode)**

---

**Usage** <configuration>  
     <dynamic-profiles>  
         <interfaces>  
             <interface>  
                 <e3-options>  
                     <compatibility-mode>  
                         **<digital-link>**  
                             <subrate>*subrate-choice*</subrate>  
                         **</digital-link>**  
                     </compatibility-mode>  
                 </e3-options>  
             </interface>  
         </interfaces>  
     </dynamic-profiles>  
 </configuration>

**Description** Compatible with Digital Link CSU.

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

- 1.1Mb—1.1 Mbps.
- 1.4Mb—1.4 Mbps.
- 1.8Mb—1.8 Mbps.
- 10.0Mb—10.0 Mbps.
- 10.4Mb—10.4 Mbps.
- 10.7Mb—10.7 Mbps.
- 11.1Mb—11.1 Mbps.
- 11.5Mb—11.5 Mbps.
- 11.8Mb—11.8 Mbps.
- 12.2Mb—12.2 Mbps.
- 12.5Mb—12.5 Mbps.
- 12.9Mb—12.9 Mbps.
- 13.2Mb—13.2 Mbps.
- 13.6Mb—13.6 Mbps.
- 14.0Mb—14.0 Mbps.
- 14.3Mb—14.3 Mbps.



- 14.7Mb—14.7 Mbps.
- 15.0Mb—15.0 Mbps.
- 15.4Mb—15.4 Mbps.
- 15.8Mb—15.8 Mbps.
- 16.1Mb—16.1 Mbps.
- 16.5Mb—16.5 Mbps.
- 16.8Mb—16.8 Mbps.
- 17.2Mb—17.2 Mbps.
- 17.5Mb—17.5 Mbps.
- 17.9Mb—17.9 Mbps.
- 18.3Mb—18.3 Mbps.
- 18.6Mb—18.6 Mbps.
- 19.0Mb—19.0 Mbps.
- 19.3Mb—19.3 Mbps.
- 19.7Mb—19.7 Mbps.
- 2.1Mb—2.1 Mbps.
- 2.5Mb—2.5 Mbps.
- 2.9Mb—2.9 Mbps.
- 20.0Mb—20.0 Mbps.
- 20.4Mb—20.4 Mbps.
- 20.8Mb—20.8 Mbps.
- 21.1Mb—21.1 Mbps.
- 21.5Mb—21.5 Mbps.
- 21.8Mb—21.8 Mbps.
- 22.2Mb—22.2 Mbps.
- 22.6Mb—22.6 Mbps.
- 22.9Mb—22.9 Mbps.
- 23.3Mb—23.3 Mbps.

- 23.6Mb—23.6 Mbps.
- 24.0Mb—24.0 Mbps.
- 24.3Mb—24.3 Mbps.
- 24.7Mb—24.7 Mbps.
- 25.1Mb—25.1 Mbps.
- 25.4Mb—25.4 Mbps.
- 25.8Mb—25.8 Mbps.
- 26.1Mb—26.1 Mbps.
- 26.5Mb—26.5 Mbps.
- 26.9Mb—26.9 Mbps.
- 27.2Mb—27.2 Mbps.
- 27.6Mb—27.6 Mbps.
- 27.9Mb—27.9 Mbps.
- 28.3Mb—28.3 Mbps.
- 28.6Mb—28.6 Mbps.
- 29.0Mb—29.0 Mbps.
- 29.4Mb—29.4 Mbps.
- 29.7Mb—29.7 Mbps.
- 3.2Mb—3.2 Mbps.
- 3.6Mb—3.6 Mbps.
- 3.9Mb—3.9 Mbps.
- 30.1Mb—30.1 Mbps.
- 30.4Mb—30.4 Mbps.
- 30.8Mb—30.8 Mbps.
- 31.1Mb—31.1 Mbps.
- 31.5Mb—31.5 Mbps.
- 31.9Mb—31.9 Mbps.
- 32.2Mb—32.2 Mbps.

- 32.6Mb—32.6 Mbps.
- 32.9Mb—32.9 Mbps.
- 33.3Mb—33.3 Mbps.
- 33.7Mb—33.7 Mbps.
- 34.0Mb—34.0 Mbps.
- 358Kb—358 Kbps.
- 4.3Mb—4.3 Mbps.
- 4.7Mb—4.7 Mbps.
- 5.0Mb—5.0 Mbps.
- 5.4Mb—5.4 Mbps.
- 5.7Mb—5.7 Mbps.
- 6.1Mb—6.1 Mbps.
- 6.4Mb—6.4 Mbps.
- 6.8Mb—6.8 Mbps.
- 7.2Mb—7.2 Mbps.
- 7.5Mb—7.5 Mbps.
- 7.9Mb—7.9 Mbps.
- 716Kb—716 Kbps.
- 8.2Mb—8.2 Mbps.
- 8.6Mb—8.6 Mbps.
- 9.0Mb—9.0 Mbps.
- 9.3Mb—9.3 Mbps.
- 9.7Mb—9.7 Mbps.

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

---

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

**Description** Compatible with Digital Link CSU.

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

- 1.2Mb—1.2 Mbps.
- 1.5Mb—1.5 Mbps.
- 1.8Mb—1.8 Mbps.
- 10.2Mb—10.2 Mbps.
- 10.5Mb—10.5 Mbps.
- 10.8Mb—10.8 Mbps.
- 11.1Mb—11.1 Mbps.
- 11.4Mb—11.4 Mbps.
- 11.7Mb—11.7 Mbps.
- 12.0Mb—12.0 Mbps.
- 12.3Mb—12.3 Mbps.
- 12.6Mb—12.6 Mbps.
- 12.9Mb—12.9 Mbps.
- 13.2Mb—13.2 Mbps.
- 13.5Mb—13.5 Mbps.
- 13.8Mb—13.8 Mbps.

- 14.1Mb—14.1 Mbps.
- 14.4Mb—14.4 Mbps.
- 14.7Mb—14.7 Mbps.
- 15.0Mb—15.0 Mbps.
- 15.3Mb—15.3 Mbps.
- 15.6Mb—15.6 Mbps.
- 15.9Mb—15.9 Mbps.
- 16.2Mb—16.2 Mbps.
- 16.5Mb—16.5 Mbps.
- 16.8Mb—16.8 Mbps.
- 17.1Mb—17.1 Mbps.
- 17.4Mb—17.4 Mbps.
- 17.7Mb—17.7 Mbps.
- 18.0Mb—18.0 Mbps.
- 18.3Mb—18.3 Mbps.
- 18.6Mb—18.6 Mbps.
- 18.9Mb—18.9 Mbps.
- 19.2Mb—19.2 Mbps.
- 19.5Mb—19.5 Mbps.
- 19.8Mb—19.8 Mbps.
- 2.1Mb—2.1 Mbps.
- 2.4Mb—2.4 Mbps.
- 2.7Mb—2.7 Mbps.
- 20.1Mb—20.1 Mbps.
- 20.5Mb—20.5 Mbps.
- 20.8Mb—20.8 Mbps.
- 21.1Mb—21.1 Mbps.
- 21.4Mb—21.4 Mbps.

- 21.7Mb—21.7 Mbps.
- 22.0Mb—22.0 Mbps.
- 22.3Mb—22.3 Mbps.
- 22.6Mb—22.6 Mbps.
- 22.9Mb—22.9 Mbps.
- 23.2Mb—23.2 Mbps.
- 23.5Mb—23.5 Mbps.
- 23.8Mb—23.8 Mbps.
- 24.1Mb—24.1 Mbps.
- 24.4Mb—24.4 Mbps.
- 24.7Mb—24.7 Mbps.
- 25.0Mb—25.0 Mbps.
- 25.3Mb—25.3 Mbps.
- 25.6Mb—25.6 Mbps.
- 25.9Mb—25.9 Mbps.
- 26.2Mb—26.2 Mbps.
- 26.5Mb—26.5 Mbps.
- 26.8Mb—26.8 Mbps.
- 27.1Mb—27.1 Mbps.
- 27.4Mb—27.4 Mbps.
- 27.7Mb—27.7 Mbps.
- 28.0Mb—28.0 Mbps.
- 28.3Mb—28.3 Mbps.
- 28.6Mb—28.6 Mbps.
- 28.9Mb—28.9 Mbps.
- 29.2Mb—29.2 Mbps.
- 29.5Mb—29.5 Mbps.
- 29.8Mb—29.8 Mbps.

- 3.0Mb—3.0 Mbps.
- 3.3Mb—3.3 Mbps.
- 3.6Mb—3.6 Mbps.
- 3.9Mb—3.9 Mbps.
- 30.1Mb—30.1 Mbps.
- 30.4Mb—30.4 Mbps.
- 30.7Mb—30.7 Mbps.
- 301Kb—301 Kbps.
- 31.0Mb—31.0 Mbps.
- 31.3Mb—31.3 Mbps.
- 31.6Mb—31.6 Mbps.
- 31.9Mb—31.9 Mbps.
- 32.2Mb—32.2 Mbps.
- 32.5Mb—32.5 Mbps.
- 32.8Mb—32.8 Mbps.
- 33.1Mb—33.1 Mbps.
- 33.4Mb—33.4 Mbps.
- 33.7Mb—33.7 Mbps.
- 34.0Mb—34.0 Mbps.
- 34.3Mb—34.3 Mbps.
- 34.6Mb—34.6 Mbps.
- 34.9Mb—34.9 Mbps.
- 35.2Mb—35.2 Mbps.
- 35.5Mb—35.5 Mbps.
- 35.8Mb—35.8 Mbps.
- 36.1Mb—36.1 Mbps.
- 36.4Mb—36.4 Mbps.
- 36.7Mb—36.7 Mbps.

- 37.0Mb—37.0 Mbps.
- 37.3Mb—37.3 Mbps.
- 37.6Mb—37.6 Mbps.
- 37.9Mb—37.9 Mbps.
- 38.2Mb—38.2 Mbps.
- 38.5Mb—38.5 Mbps.
- 38.8Mb—38.8 Mbps.
- 39.1Mb—39.1 Mbps.
- 39.4Mb—39.4 Mbps.
- 39.7Mb—39.7 Mbps.
- 4.2Mb—4.2 Mbps.
- 4.5Mb—4.5 Mbps.
- 4.8Mb—4.8 Mbps.
- 40.0Mb—40.0 Mbps.
- 40.3Mb—40.3 Mbps.
- 40.6Mb—40.6 Mbps.
- 40.9Mb—40.9 Mbps.
- 41.2Mb—41.2 Mbps.
- 41.5Mb—41.5 Mbps.
- 41.8Mb—41.8 Mbps.
- 42.1Mb—42.1 Mbps.
- 42.4Mb—42.4 Mbps.
- 42.7Mb—42.7 Mbps.
- 43.0Mb—43.0 Mbps.
- 43.3Mb—43.3 Mbps.
- 43.6Mb—43.6 Mbps.
- 43.9Mb—43.9 Mbps.
- 44.2Mb—44.2 Mbps.



- 5.1Mb—5.1 Mbps.
- 5.4Mb—5.4 Mbps.
- 5.7Mb—5.7 Mbps.
- 6.0Mb—6.0 Mbps.
- 6.3Mb—6.3 Mbps.
- 6.6Mb—6.6 Mbps.
- 6.9Mb—6.9 Mbps.
- 601Kb—601 Kbps.
- 7.2Mb—7.2 Mbps.
- 7.5Mb—7.5 Mbps.
- 7.8Mb—7.8 Mbps.
- 8.1Mb—8.1 Mbps.
- 8.4Mb—8.4 Mbps.
- 8.7Mb—8.7 Mbps.
- 9.0Mb—9.0 Mbps.
- 9.3Mb—9.3 Mbps.
- 9.6Mb—9.6 Mbps.
- 9.9Mb—9.9 Mbps.
- 902Kb—902 Kbps.

## **<digital-link> (configuration/interfaces/interface/e3-options/compatibility-mode)**

---

**Usage**   <configuration>  
           <interfaces>  
           <interface>  
           <e3-options>  
           <compatibility-mode>  
           **<digital-link>**  
           <subrate>*subrate-choice*</subrate>  
           **</digital-link>**  
           </compatibility-mode>  
           </e3-options>  
           </interface>  
           </interfaces>  
         </configuration>

**Description**   Compatible with Digital Link CSU.

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

- 1.1Mb—1.1 Mbps.
- 1.4Mb—1.4 Mbps.
- 1.8Mb—1.8 Mbps.
- 10.0Mb—10.0 Mbps.
- 10.4Mb—10.4 Mbps.
- 10.7Mb—10.7 Mbps.
- 11.1Mb—11.1 Mbps.
- 11.5Mb—11.5 Mbps.
- 11.8Mb—11.8 Mbps.
- 12.2Mb—12.2 Mbps.
- 12.5Mb—12.5 Mbps.
- 12.9Mb—12.9 Mbps.
- 13.2Mb—13.2 Mbps.
- 13.6Mb—13.6 Mbps.
- 14.0Mb—14.0 Mbps.
- 14.3Mb—14.3 Mbps.
- 14.7Mb—14.7 Mbps.

- 15.0Mb—15.0 Mbps.
- 15.4Mb—15.4 Mbps.
- 15.8Mb—15.8 Mbps.
- 16.1Mb—16.1 Mbps.
- 16.5Mb—16.5 Mbps.
- 16.8Mb—16.8 Mbps.
- 17.2Mb—17.2 Mbps.
- 17.5Mb—17.5 Mbps.
- 17.9Mb—17.9 Mbps.
- 18.3Mb—18.3 Mbps.
- 18.6Mb—18.6 Mbps.
- 19.0Mb—19.0 Mbps.
- 19.3Mb—19.3 Mbps.
- 19.7Mb—19.7 Mbps.
- 2.1Mb—2.1 Mbps.
- 2.5Mb—2.5 Mbps.
- 2.9Mb—2.9 Mbps.
- 20.0Mb—20.0 Mbps.
- 20.4Mb—20.4 Mbps.
- 20.8Mb—20.8 Mbps.
- 21.1Mb—21.1 Mbps.
- 21.5Mb—21.5 Mbps.
- 21.8Mb—21.8 Mbps.
- 22.2Mb—22.2 Mbps.
- 22.6Mb—22.6 Mbps.
- 22.9Mb—22.9 Mbps.
- 23.3Mb—23.3 Mbps.
- 23.6Mb—23.6 Mbps.

- 24.0Mb—24.0 Mbps.
- 24.3Mb—24.3 Mbps.
- 24.7Mb—24.7 Mbps.
- 25.1Mb—25.1 Mbps.
- 25.4Mb—25.4 Mbps.
- 25.8Mb—25.8 Mbps.
- 26.1Mb—26.1 Mbps.
- 26.5Mb—26.5 Mbps.
- 26.9Mb—26.9 Mbps.
- 27.2Mb—27.2 Mbps.
- 27.6Mb—27.6 Mbps.
- 27.9Mb—27.9 Mbps.
- 28.3Mb—28.3 Mbps.
- 28.6Mb—28.6 Mbps.
- 29.0Mb—29.0 Mbps.
- 29.4Mb—29.4 Mbps.
- 29.7Mb—29.7 Mbps.
- 3.2Mb—3.2 Mbps.
- 3.6Mb—3.6 Mbps.
- 3.9Mb—3.9 Mbps.
- 30.1Mb—30.1 Mbps.
- 30.4Mb—30.4 Mbps.
- 30.8Mb—30.8 Mbps.
- 31.1Mb—31.1 Mbps.
- 31.5Mb—31.5 Mbps.
- 31.9Mb—31.9 Mbps.
- 32.2Mb—32.2 Mbps.
- 32.6Mb—32.6 Mbps.

- 32.9Mb—32.9 Mbps.
- 33.3Mb—33.3 Mbps.
- 33.7Mb—33.7 Mbps.
- 34.0Mb—34.0 Mbps.
- 358Kb—358 Kbps.
- 4.3Mb—4.3 Mbps.
- 4.7Mb—4.7 Mbps.
- 5.0Mb—5.0 Mbps.
- 5.4Mb—5.4 Mbps.
- 5.7Mb—5.7 Mbps.
- 6.1Mb—6.1 Mbps.
- 6.4Mb—6.4 Mbps.
- 6.8Mb—6.8 Mbps.
- 7.2Mb—7.2 Mbps.
- 7.5Mb—7.5 Mbps.
- 7.9Mb—7.9 Mbps.
- 716Kb—716 Kbps.
- 8.2Mb—8.2 Mbps.
- 8.6Mb—8.6 Mbps.
- 9.0Mb—9.0 Mbps.
- 9.3Mb—9.3 Mbps.
- 9.7Mb—9.7 Mbps.

## <digital-link> (configuration/interfaces/interface/t3-options/compatibility-mode)

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <t3-options>  
                 <compatibility-mode>  
                   <digital-link>  
                     <subrate>subrate-choice</subrate>  
                   </digital-link>  
                 </compatibility-mode>  
               </t3-options>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** Compatible with Digital Link CSU.

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

- 1.2Mb—1.2 Mbps.
- 1.5Mb—1.5 Mbps.
- 1.8Mb—1.8 Mbps.
- 10.2Mb—10.2 Mbps.
- 10.5Mb—10.5 Mbps.
- 10.8Mb—10.8 Mbps.
- 11.1Mb—11.1 Mbps.
- 11.4Mb—11.4 Mbps.
- 11.7Mb—11.7 Mbps.
- 12.0Mb—12.0 Mbps.
- 12.3Mb—12.3 Mbps.
- 12.6Mb—12.6 Mbps.
- 12.9Mb—12.9 Mbps.
- 13.2Mb—13.2 Mbps.
- 13.5Mb—13.5 Mbps.
- 13.8Mb—13.8 Mbps.
- 14.1Mb—14.1 Mbps.

- 14.4Mb—14.4 Mbps.
- 14.7Mb—14.7 Mbps.
- 15.0Mb—15.0 Mbps.
- 15.3Mb—15.3 Mbps.
- 15.6Mb—15.6 Mbps.
- 15.9Mb—15.9 Mbps.
- 16.2Mb—16.2 Mbps.
- 16.5Mb—16.5 Mbps.
- 16.8Mb—16.8 Mbps.
- 17.1Mb—17.1 Mbps.
- 17.4Mb—17.4 Mbps.
- 17.7Mb—17.7 Mbps.
- 18.0Mb—18.0 Mbps.
- 18.3Mb—18.3 Mbps.
- 18.6Mb—18.6 Mbps.
- 18.9Mb—18.9 Mbps.
- 19.2Mb—19.2 Mbps.
- 19.5Mb—19.5 Mbps.
- 19.8Mb—19.8 Mbps.
- 2.1Mb—2.1 Mbps.
- 2.4Mb—2.4 Mbps.
- 2.7Mb—2.7 Mbps.
- 20.1Mb—20.1 Mbps.
- 20.5Mb—20.5 Mbps.
- 20.8Mb—20.8 Mbps.
- 21.1Mb—21.1 Mbps.
- 21.4Mb—21.4 Mbps.
- 21.7Mb—21.7 Mbps.

- 22.0Mb—22.0 Mbps.
- 22.3Mb—22.3 Mbps.
- 22.6Mb—22.6 Mbps.
- 22.9Mb—22.9 Mbps.
- 23.2Mb—23.2 Mbps.
- 23.5Mb—23.5 Mbps.
- 23.8Mb—23.8 Mbps.
- 24.1Mb—24.1 Mbps.
- 24.4Mb—24.4 Mbps.
- 24.7Mb—24.7 Mbps.
- 25.0Mb—25.0 Mbps.
- 25.3Mb—25.3 Mbps.
- 25.6Mb—25.6 Mbps.
- 25.9Mb—25.9 Mbps.
- 26.2Mb—26.2 Mbps.
- 26.5Mb—26.5 Mbps.
- 26.8Mb—26.8 Mbps.
- 27.1Mb—27.1 Mbps.
- 27.4Mb—27.4 Mbps.
- 27.7Mb—27.7 Mbps.
- 28.0Mb—28.0 Mbps.
- 28.3Mb—28.3 Mbps.
- 28.6Mb—28.6 Mbps.
- 28.9Mb—28.9 Mbps.
- 29.2Mb—29.2 Mbps.
- 29.5Mb—29.5 Mbps.
- 29.8Mb—29.8 Mbps.
- 3.0Mb—3.0 Mbps.



- 3.3Mb—3.3 Mbps.
- 3.6Mb—3.6 Mbps.
- 3.9Mb—3.9 Mbps.
- 30.1Mb—30.1 Mbps.
- 30.4Mb—30.4 Mbps.
- 30.7Mb—30.7 Mbps.
- 301Kb—301 Kbps.
- 31.0Mb—31.0 Mbps.
- 31.3Mb—31.3 Mbps.
- 31.6Mb—31.6 Mbps.
- 31.9Mb—31.9 Mbps.
- 32.2Mb—32.2 Mbps.
- 32.5Mb—32.5 Mbps.
- 32.8Mb—32.8 Mbps.
- 33.1Mb—33.1 Mbps.
- 33.4Mb—33.4 Mbps.
- 33.7Mb—33.7 Mbps.
- 34.0Mb—34.0 Mbps.
- 34.3Mb—34.3 Mbps.
- 34.6Mb—34.6 Mbps.
- 34.9Mb—34.9 Mbps.
- 35.2Mb—35.2 Mbps.
- 35.5Mb—35.5 Mbps.
- 35.8Mb—35.8 Mbps.
- 36.1Mb—36.1 Mbps.
- 36.4Mb—36.4 Mbps.
- 36.7Mb—36.7 Mbps.
- 37.0Mb—37.0 Mbps.

- 37.3Mb—37.3 Mbps.
- 37.6Mb—37.6 Mbps.
- 37.9Mb—37.9 Mbps.
- 38.2Mb—38.2 Mbps.
- 38.5Mb—38.5 Mbps.
- 38.8Mb—38.8 Mbps.
- 39.1Mb—39.1 Mbps.
- 39.4Mb—39.4 Mbps.
- 39.7Mb—39.7 Mbps.
- 4.2Mb—4.2 Mbps.
- 4.5Mb—4.5 Mbps.
- 4.8Mb—4.8 Mbps.
- 40.0Mb—40.0 Mbps.
- 40.3Mb—40.3 Mbps.
- 40.6Mb—40.6 Mbps.
- 40.9Mb—40.9 Mbps.
- 41.2Mb—41.2 Mbps.
- 41.5Mb—41.5 Mbps.
- 41.8Mb—41.8 Mbps.
- 42.1Mb—42.1 Mbps.
- 42.4Mb—42.4 Mbps.
- 42.7Mb—42.7 Mbps.
- 43.0Mb—43.0 Mbps.
- 43.3Mb—43.3 Mbps.
- 43.6Mb—43.6 Mbps.
- 43.9Mb—43.9 Mbps.
- 44.2Mb—44.2 Mbps.
- 5.1Mb—5.1 Mbps.

- 5.4Mb—5.4 Mbps.
- 5.7Mb—5.7 Mbps.
- 6.0Mb—6.0 Mbps.
- 6.3Mb—6.3 Mbps.
- 6.6Mb—6.6 Mbps.
- 6.9Mb—6.9 Mbps.
- 601Kb—601 Kbps.
- 7.2Mb—7.2 Mbps.
- 7.5Mb—7.5 Mbps.
- 7.8Mb—7.8 Mbps.
- 8.1Mb—8.1 Mbps.
- 8.4Mb—8.4 Mbps.
- 8.7Mb—8.7 Mbps.
- 9.0Mb—9.0 Mbps.
- 9.3Mb—9.3 Mbps.
- 9.6Mb—9.6 Mbps.
- 9.9Mb—9.9 Mbps.
- 902Kb—902 Kbps.

## **<direction> (configuration/security/ipsec/internal/ security-association/manual)**

---

**Usage**

```

<configuration>
  <security>
    <ipsec>
      <internal>
        <security-association>
          <manual>
            <direction>
              <name>name</name>    <!-- identifier -->
              <protocol>protocol-choice</protocol>  <!-- mandatory -->
              <spi>spi</spi>      <!-- mandatory -->
              <auxiliary-spi>auxiliary-spi</auxiliary-spi>
              <authentication>...</authentication>
              <encryption>...</encryption>
            </direction>
          </manual>
        </security-association>
      </internal>
    </ipsec>
  </security>
</configuration>

```

**Description** Define the direction of the security association.

**Contents** <authentication>—Define authentication parameters.

<auxiliary-spi>—ESP security parameter index for IPSec SA bundle.

<encryption>—Define encryption parameters.

<name>—No documentation is available yet.

■ bidirectional—Bidirectional security association.

■ inbound—Inbound security association.

■ outbound—Outbound security association.

<protocol>—Define an IPSec protocol for the security association.

■ ah—Authentication header.

■ bundle—Bundle (AH authentication plus ESP encryption).

■ esp—Encapsulated Security Payload header.

<spi>—Define security parameter index.

## **<direction> (configuration/security/ipsec/security-association/manual)**

---

**Usage** <configuration>  
           <security>  
           <ipsec>  
           <security-association>  
           <manual>  
             **<direction>**  
               <name>*name*</name>   <!-- identifier -->  
               <protocol>*protocol-choice*</protocol>   <!-- mandatory -->  
               <spi>*spi*</spi>   <!-- mandatory -->  
               <auxiliary-spi>*auxiliary-spi*</auxiliary-spi>  
               <authentication>...</authentication>  
               <encryption>...</encryption>  
             **</direction>**  
           </manual>  
         </security-association>  
       </ipsec>  
     </security>  
 </configuration>

**Description** Define the direction of the security association.

**Contents** <authentication>—Define authentication parameters.

<auxiliary-spi>—ESP security parameter index for IPSec SA bundle.

<encryption>—Define encryption parameters.

<name>—No documentation is available yet.

■ **bidirectional**—Bidirectional security association.

■ **inbound**—Inbound security association.

■ **outbound**—Outbound security association.

<protocol>—Define an IPSec protocol for the security association.

■ **ah**—Authentication header.

■ **bundle**—Bundle (AH authentication plus ESP encryption).

■ **esp**—Encapsulated Security Payload header.

<spi>—Define security parameter index.

## <direction> (configuration/services/ipsec-vpn/rule/term/then/manual)

---

**Usage**

```

<configuration>
  <services>
    <ipsec-vpn>
      <rule>
        <term>
          <then>
            <manual>
              <direction>
                <name>name</name>    <!-- identifier -->
                <protocol>protocol-choice</protocol>    <!-- mandatory -->
                <spi>spi</spi>    <!-- mandatory -->
                <auxiliary-spi>auxiliary-spi</auxiliary-spi>
                <authentication>...</authentication>
                <encryption>...</encryption>
              </direction>
            </manual>
          </then>
        </term>
      </rule>
    </ipsec-vpn>
  </services>
</configuration>

```

**Description** Define the direction of the security association.

**Contents** <authentication>—Define authentication parameters.

<auxiliary-spi>—ESP security parameter index for IPSec SA bundle.

<encryption>—Define encryption parameters.

<name>—No documentation is available yet.

- bidirectional—Bidirectional security association.

- inbound—Inbound security association.

- outbound—Outbound security association.

<protocol>—Define an IPSec protocol for the security association.

- ah—Authentication header.

- bundle—Bundle (AH authentication plus ESP encryption).

- esp—Encapsulated Security Payload header.

<spi>—Define security parameter index.

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

---

**Usage** <configuration>  
           <security>  
             <pki>  
               <ca-profile>  
                 <revocation-check>  
                   <crl>  
                     **<disable>**  
                       <on-download-failure/>  
                     **</disable>**  
                   </crl>  
                 </revocation-check>  
               </ca-profile>  
             </pki>  
           </security>  
         </configuration>

**Description** No documentation is available yet.

**Contents** <on-download-failure>—Disable revocation check if failed to download CRL.

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

---

**Usage** <configuration>  
           <firewall>  
             <family>  
               <inet>  
                 <filter>  
                   <term>  
                     <then>  
                       **<discard>**  
                       <accounting>*accounting*</accounting>  
                       **</discard>**  
                     </then>  
                   </term>  
                 </filter>  
               </inet>  
             </family>  
           </firewall>  
         </configuration>

**Description** Discard the packet.

**Contents** <accounting>—Named discard collector for packet.

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

---

**Usage** <configuration>  
           <firewall>  
             <filter>  
               <term>  
                 <then>  
                   **<discard>**  
                     <accounting>accounting</accounting>  
                   **</discard>**  
                 </then>  
               </term>  
             </filter>  
           </firewall>  
   </configuration>

**Description** Discard the packet.

**Contents** <accounting>—Named discard collector for packet.

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

---

**Usage** <configuration>  
           <logical-systems>  
             <firewall>  
               <family>  
                 <inet>  
                   <filter>  
                     <term>  
                       <then>  
                         **<discard>**  
                           <accounting>accounting</accounting>  
                         **</discard>**  
                       </then>  
                     </term>  
                   </filter>  
                 </inet>  
               </family>  
             </firewall>  
           </logical-systems>  
   </configuration>

**Description** Discard the packet.

**Contents** <accounting>—Named discard collector for packet.



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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;firewall&gt;       &lt;filter&gt;         &lt;term&gt;           &lt;then&gt;             &lt;discard&gt;               &lt;accounting&gt;accounting&lt;/accounting&gt;             &lt;/discard&gt;           &lt;/then&gt;         &lt;/term&gt;       &lt;/filter&gt;     &lt;/firewall&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Discard the packet.
<b>Contents</b>	<accounting>—Named discard collector for packet.

## **<disconnect> (configuration/services/pgcp/gateway/h248-options/service-change/control-association-indications)**

---

**Usage**

```

<configuration>
  <services>
    <pgcp>
      <gateway>
        <h248-options>
          <service-change>
            <control-association-indications>
              <disconnect>
                <reconnect>reconnect-choice</reconnect>
                <controller-failure>controller-failure-choice</controller-failure>
              </disconnect>
            </control-association-indications>
          </service-change>
        </h248-options>
      </gateway>
    </pgcp>
  </services>
</configuration>

```

**Description** No documentation is available yet.

**Contents** <controller-failure>—Configure controller failure service change.

- failover-909—Gateway controller impending failure.
- restart-902—Warm boot.

<reconnect>—Configure reconnect service change.

- disconnected-900—Service restored.
- restart-902—Warm boot.

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;service-identification&gt;         &lt;dns-rule&gt;           &lt;term&gt;             &lt;from&gt;               &lt;dns&gt;                 &lt;query-name&gt;...&lt;/query-name&gt;                 &lt;answer-name&gt;...&lt;/answer-name&gt;               &lt;/dns&gt;             &lt;/from&gt;           &lt;/term&gt;         &lt;/dns-rule&gt;       &lt;/service-identification&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Match DNS sessions.
<b>Contents</b>	<p>&lt;answer-name&gt;—Match answer name.</p> <p>&lt;query-name&gt;—Match query name.</p>

## **<dns-rule> (configuration/services/ggsn/service-identification)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;service-identification&gt;         &lt;dns-rule&gt;           &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;           &lt;term&gt;...&lt;/term&gt;    &lt;!-- mandatory --&gt;         &lt;/dns-rule&gt;       &lt;/service-identification&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	DNS rule.
<b>Contents</b>	<p>&lt;name&gt;—Rule name.</p> <p>&lt;term&gt;—Define a service identification term.</p>

## **<dns-rule-set> (configuration/services/ggsn/service-identification)**

---

**Usage**   <configuration>  
           <services>  
           <ggsn>  
           <service-identification>  
             **<dns-rule-set>**  
               <name>*name*</name>   <!-- identifier -->  
               <rule>...</rule>  
             **</dns-rule-set>**  
           </service-identification>  
         </ggsn>  
       </services>  
     </configuration>

**Description**   Define a set of DNS rules.

**Contents**    <name>—Name of the rule set.

                <rule>—Rule to be included in this rule set.

**<domain> (configuration/bridge-domains)**

---

**Usage** <configuration>  
 <bridge-domains>  
 <domain>  
 <name>*name*</name> <!-- identifier -->  
 <description>*description*</description>  
 <domain-type>*domain-type-choice*</domain-type>  
 <vlan-id>*vlan-id-choice*</vlan-id>  
 <vlan-tags>...</vlan-tags>  
 <no-local-switching/>  
 <interface>...</interface>  
 <routing-interface>*routing-interface*</routing-interface>  
 <forwarding-options>...</forwarding-options>  
 <multicast-snooping-options>...</multicast-snooping-options>  
 <bridge-options>...</bridge-options>  
 <protocols>...</protocols>  
 </domain>  
 </bridge-domains>  
 </configuration>

**Description** No documentation is available yet.

**Contents** <bridge-options>—Bridge domain configuration.

<description>—Text description of bridge domain.

<domain-type>—Type of bridge domain.

■ bridge—Forwarding instance.

<forwarding-options>—Forwarding options configuration.

<interface>—Interface name for this bridge domain.

<multicast-snooping-options>—Multicast snooping option configuration.

<name>—Bridge domain name.

<no-local-switching>—Disable local switching within CE-facing interfaces.

<protocols>—No documentation is available yet.

<routing-interface>—Routing interface name for this bridge-domain.

<vlan-id>—IEEE 802.1q VLAN identifier for bridging domain.

■ all—All VLANs configured on member logical interfaces.

■ none—No 802.1q VLAN.

■ vlan-id—Vlan id.

<vlan-tags>—IEEE 802.1q VLAN tags for bridging domain.

**<domain> (configuration/forwarding-options/helpers)**

---

**Usage**   <configuration>  
          <forwarding-options>  
          <helpers>  
          **<domain>**  
            <description>*description*</description>  
            <server>...</server>  
            <interface>...</interface>  
          **</domain>**  
          </helpers>  
          </forwarding-options>  
          </configuration>

**Description** Incoming DNS request forwarding configuration.

**Contents**   <description>—Text description of server.

              <interface>—Incoming DNS request forwarding interface configuration.

              <server>—Server information.

## **<domain> (configuration/logical-systems/routing-instances/instance/bridge-domains)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <bridge-domains>  
                     **<domain>**  
                         <name>*name*</name>   <!-- identifier -->  
                         <description>*description*</description>  
                         <domain-type>*domain-type-choice*</domain-type>  
                         <vlan-id>*vlan-id-choice*</vlan-id>  
                         <vlan-tags>...</vlan-tags>  
                         <no-local-switching/>  
                         <interface>...</interface>  
                         <routing-interface>*routing-interface*</routing-interface>  
                         <forwarding-options>...</forwarding-options>  
                         <multicast-snooping-options>...</multicast-snooping-options>  
                         <bridge-options>...</bridge-options>  
                         <protocols>...</protocols>  
                     **</domain>**  
                 </bridge-domains>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** No documentation is available yet.

**Contents** <bridge-options>—Bridge domain configuration.

<description>—Text description of bridge domain.

<domain-type>—Type of bridge domain.

■ bridge—Forwarding instance.

<forwarding-options>—Forwarding options configuration.

<interface>—Interface name for this bridge domain.

<multicast-snooping-options>—Multicast snooping option configuration.

<name>—Bridge domain name.

<no-local-switching>—Disable local switching within CE-facing interfaces.

<protocols>—No documentation is available yet.

<routing-interface>—Routing interface name for this bridge-domain.

<vlan-id>—IEEE 802.1q VLAN identifier for bridging domain.

■ all—All VLANs configured on member logical interfaces.

- none—No 802.1q VLAN.

- vlan-id—Vlan id.

<vlan-tags>—IEEE 802.1q VLAN tags for bridging domain.

## **<domain> (configuration/logical-systems/routing-instances/instance/forwarding-options/helpers)**

---

**Usage** <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <forwarding-options>  
           <helpers>  
           **<domain>**  
             <description>description</description>  
             <server>...</server>  
             <interface>...</interface>  
           **</domain>**  
           </helpers>  
           </forwarding-options>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description** Incoming DNS request forwarding configuration.

**Contents** <description>—Text description of server.

<interface>—Incoming DNS request forwarding interface configuration.

<server>—Server information.



## <domain> (configuration/routing-instances/instance/bridge-domains)

---

**Usage** <configuration>  
     <routing-instances>  
         <instance>  
             <bridge-domains>  
                 <domain>  
                     <name>name</name>   <!-- identifier -->  
                     <description>description</description>  
                     <domain-type>domain-type-choice</domain-type>  
                     <vlan-id>vlan-id-choice</vlan-id>  
                     <vlan-tags>...</vlan-tags>  
                     <no-local-switching/>  
                     <interface>...</interface>  
                     <routing-interface>routing-interface</routing-interface>  
                     <forwarding-options>...</forwarding-options>  
                     <multicast-snooping-options>...</multicast-snooping-options>  
                     <bridge-options>...</bridge-options>  
                     <protocols>...</protocols>  
                 </domain>  
             </bridge-domains>  
         </instance>  
     </routing-instances>  
</configuration>

**Description** No documentation is available yet.

**Contents** <bridge-options>—Bridge domain configuration.

<description>—Text description of bridge domain.

<domain-type>—Type of bridge domain.

■ bridge—Forwarding instance.

<forwarding-options>—Forwarding options configuration.

<interface>—Interface name for this bridge domain.

<multicast-snooping-options>—Multicast snooping option configuration.

<name>—Bridge domain name.

<no-local-switching>—Disable local switching within CE-facing interfaces.

<protocols>—No documentation is available yet.

<routing-interface>—Routing interface name for this bridge-domain.

<vlan-id>—IEEE 802.1q VLAN identifier for bridging domain.

■ all—All VLANs configured on member logical interfaces.

■ none—No 802.1q VLAN.

■ `vlan-id`—Vlan id.

`<vlan-tags>`—IEEE 802.1q VLAN tags for bridging domain.

## **`<domain>` (configuration/routing-instances/instance/forwarding-options/helpers)**

---

**Usage** `<configuration>`  
`<routing-instances>`  
`<instance>`  
`<forwarding-options>`  
`<helpers>`  
**`<domain>`**  
`<description>`*description*`</description>`  
`<server>`...`</server>`  
`<interface>`...`</interface>`  
**`</domain>`**  
`</helpers>`  
`</forwarding-options>`  
`</instance>`  
`</routing-instances>`  
`</configuration>`

**Description** Incoming DNS request forwarding configuration.

**Contents** `<description>`—Text description of server.

`<interface>`—Incoming DNS request forwarding interface configuration.

`<server>`—Server information.

## **`<domain-id>` (configuration/logical-systems/protocols/ospf)**

---

**Usage** `<configuration>`  
`<logical-systems>`  
`<protocols>`  
`<ospf>`  
**`<domain-id>`**  
`<domain-id>`*domain-id*`</domain-id>`  
`<disable/>`  
**`</domain-id>`**  
`</ospf>`  
`</protocols>`  
`</logical-systems>`  
`</configuration>`

**Description** Configure domain ID.

**Contents** `<disable>`—Disable domain ID.

`<domain-id>`—Domain ID.

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;protocols&gt;       &lt;ospf3&gt;         &lt;domain-id&gt;           &lt;domain-id&gt;domain-id&lt;/domain-id&gt;           &lt;disable/&gt;         &lt;/domain-id&gt;       &lt;/ospf3&gt;     &lt;/protocols&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Configure domain ID.
<b>Contents</b>	<p>&lt;disable&gt;—Disable domain ID.</p> <p>&lt;domain-id&gt;—Domain ID.</p>

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;protocols&gt;       &lt;ospf3&gt;         &lt;realm&gt;           &lt;domain-id&gt;             &lt;domain-id&gt;domain-id&lt;/domain-id&gt;             &lt;disable/&gt;           &lt;/domain-id&gt;         &lt;/realm&gt;       &lt;/ospf3&gt;     &lt;/protocols&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Configure domain ID.
<b>Contents</b>	<p>&lt;disable&gt;—Disable domain ID.</p> <p>&lt;domain-id&gt;—Domain ID.</p>

## **<domain-id> (configuration/logical-systems/routing-instances/instance/protocols/ospf)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-instances&gt;       &lt;instance&gt;         &lt;protocols&gt;           &lt;ospf&gt;             &lt;domain-id&gt;               &lt;domain-id&gt;domain-id&lt;/domain-id&gt;               &lt;disable/&gt;             &lt;/domain-id&gt;           &lt;/ospf&gt;         &lt;/protocols&gt;       &lt;/instance&gt;     &lt;/routing-instances&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Configure domain ID.
<b>Contents</b>	<p>&lt;disable&gt;—Disable domain ID.</p> <p>&lt;domain-id&gt;—Domain ID.</p>

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-instances&gt;       &lt;instance&gt;         &lt;protocols&gt;           &lt;ospf3&gt;             &lt;domain-id&gt;               &lt;domain-id&gt;domain-id&lt;/domain-id&gt;               &lt;disable/&gt;             &lt;/domain-id&gt;           &lt;/ospf3&gt;         &lt;/protocols&gt;       &lt;/instance&gt;     &lt;/routing-instances&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Configure domain ID.
<b>Contents</b>	<p>&lt;disable&gt;—Disable domain ID.</p> <p>&lt;domain-id&gt;—Domain ID.</p>

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;routing-instances&gt;       &lt;instance&gt;         &lt;protocols&gt;           &lt;ospf3&gt;             &lt;realm&gt;               <b>&lt;domain-id&gt;</b>                 &lt;domain-id&gt;<i>domain-id</i>&lt;/domain-id&gt;                 &lt;disable/&gt;               <b>&lt;/domain-id&gt;</b>             &lt;/realm&gt;           &lt;/ospf3&gt;         &lt;/protocols&gt;       &lt;/instance&gt;     &lt;/routing-instances&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Configure domain ID.
<b>Contents</b>	<p>&lt;disable&gt;—Disable domain ID.</p> <p>&lt;domain-id&gt;—Domain ID.</p>

## **<domain-id> (configuration/protocols/ospf)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;ospf&gt;       <b>&lt;domain-id&gt;</b>         &lt;domain-id&gt;<i>domain-id</i>&lt;/domain-id&gt;         &lt;disable/&gt;       <b>&lt;/domain-id&gt;</b>     &lt;/ospf&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Configure domain ID.
<b>Contents</b>	<p>&lt;disable&gt;—Disable domain ID.</p> <p>&lt;domain-id&gt;—Domain ID.</p>

## **<domain-id> (configuration/protocols/ospf3)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;protocols&gt;     &lt;ospf3&gt;       &lt;domain-id&gt;         &lt;domain-id&gt;domain-id&lt;/domain-id&gt;         &lt;disable/&gt;       &lt;/domain-id&gt;     &lt;/ospf3&gt;   &lt;/protocols&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Configure domain ID.
<b>Contents</b>	<p>&lt;disable&gt;—Disable domain ID.</p> <p>&lt;domain-id&gt;—Domain ID.</p>

## **<domain-id> (configuration/protocols/ospf3/realm)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;protocols&gt;     &lt;ospf3&gt;       &lt;realm&gt;         &lt;domain-id&gt;           &lt;domain-id&gt;domain-id&lt;/domain-id&gt;           &lt;disable/&gt;         &lt;/domain-id&gt;       &lt;/realm&gt;     &lt;/ospf3&gt;   &lt;/protocols&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Configure domain ID.
<b>Contents</b>	<p>&lt;disable&gt;—Disable domain ID.</p> <p>&lt;domain-id&gt;—Domain ID.</p>

## **<domain-id> (configuration/routing-instances/instance/protocols/ospf)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;protocols&gt;         &lt;ospf&gt;           &lt;domain-id&gt;             &lt;domain-id&gt;domain-id&lt;/domain-id&gt;             &lt;disable/&gt;           &lt;/domain-id&gt;         &lt;/ospf&gt;       &lt;/protocols&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Configure domain ID.
<b>Contents</b>	<p>&lt;disable&gt;—Disable domain ID.</p> <p>&lt;domain-id&gt;—Domain ID.</p>

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;protocols&gt;         &lt;ospf3&gt;           &lt;domain-id&gt;             &lt;domain-id&gt;domain-id&lt;/domain-id&gt;             &lt;disable/&gt;           &lt;/domain-id&gt;         &lt;/ospf3&gt;       &lt;/protocols&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Configure domain ID.
<b>Contents</b>	<p>&lt;disable&gt;—Disable domain ID.</p> <p>&lt;domain-id&gt;—Domain ID.</p>

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

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;protocols&gt;         &lt;ospf3&gt;           &lt;realm&gt;             <b>&lt;domain-id&gt;</b>               &lt;domain-id&gt;domain-id&lt;/domain-id&gt;               &lt;disable/&gt;             <b>&lt;/domain-id&gt;</b>           &lt;/realm&gt;         &lt;/ospf3&gt;       &lt;/protocols&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	Configure domain ID.
<b>Contents</b>	<pre>&lt;disable&gt;—Disable domain ID.  &lt;domain-id&gt;—Domain ID.</pre>

## **<domain-search> (configuration/system)**

---

<b>Usage</b>	<pre>&lt;configuration&gt;   &lt;system&gt;     <b>&lt;domain-search&gt;</b>       &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;     <b>&lt;/domain-search&gt;</b>   &lt;/system&gt; &lt;/configuration&gt;</pre>
<b>Description</b>	List of domain names to search.
<b>Contents</b>	<pre>&lt;name&gt;—List of domain names to search.</pre>



**<domain-search> (configuration/system/services/dhcp)**

---

**Usage** <configuration>  
           <system>  
             <services>  
               <dhcp>  
                 **<domain-search>**  
                   <name>*name*</name>   <!-- identifier -->  
                 **</domain-search>**  
               </dhcp>  
             </services>  
           </system>  
         </configuration>

**Description** Domain search list used to resolve hostnames.

**Contents** <name>—DNS search suffix.

**<domain-search> (configuration/system/services/dhcp/pool)**

---

**Usage** <configuration>  
           <system>  
             <services>  
               <dhcp>  
                 <pool>  
                   **<domain-search>**  
                     <name>*name*</name>   <!-- identifier -->  
                   **</domain-search>**  
                 </pool>  
               </dhcp>  
             </services>  
           </system>  
         </configuration>

**Description** Domain search list used to resolve hostnames.

**Contents** <name>—DNS search suffix.

## **<domain-search> (configuration/system/services/dhcp/static-binding)**

---

**Usage** <configuration>  
           <system>  
             <services>  
               <dhcp>  
                 <static-binding>  
                   **<domain-search>**  
                     <name>*name*</name>   <!-- identifier -->  
                   **</domain-search>**  
                 </static-binding>  
               </dhcp>  
             </services>  
           </system>  
         </configuration>

**Description** Domain search list used to resolve hostnames.

**Contents** <name>—DNS search suffix.

## **<dot1q-tag> (configuration/firewall/family/ethernet-switching/filter/term/from)**

---

**Usage** <configuration>  
           <firewall>  
             <family>  
               <ethernet-switching>  
                 <filter>  
                   <term>  
                     <from>  
                       **<dot1q-tag>**  
                         <name>*name*</name>   <!-- identifier -->  
                       **</dot1q-tag>**  
                     </from>  
                   </term>  
                 </filter>  
               </ethernet-switching>  
             </family>  
           </firewall>  
         </configuration>

**Description** Match Dot1Q Tag Value.

**Contents** <name>—Range of values.

## **<dot1q-tag> (configuration/logical-systems/firewall/family/ethernet-switching/filter/term/from)**

---

**Usage** <configuration>  
     <logical-systems>  
         <firewall>  
             <family>  
                 <ethernet-switching>  
                     <filter>  
                         <term>  
                             <from>  
                                 **<dot1q-tag>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</dot1q-tag>**  
                             </from>  
                         </term>  
                     </filter>  
                 </ethernet-switching>  
             </family>  
         </firewall>  
     </logical-systems>  
 </configuration>

**Description** Match Dot1Q Tag Value.

**Contents** <name>—Range of values.

## **<dot1q-tag-except> (configuration/firewall/family/ethernet-switching/filter/term/from)**

---

**Usage** <configuration>  
     <firewall>  
         <family>  
             <ethernet-switching>  
                 <filter>  
                     <term>  
                         <from>  
                             **<dot1q-tag-except>**  
                                 <name>name</name>   <!-- identifier -->  
                             **</dot1q-tag-except>**  
                         </from>  
                     </term>  
                 </filter>  
             </ethernet-switching>  
         </family>  
     </firewall>  
 </configuration>

**Description** Do not match Dot1Q Tag Value.

**Contents** <name>—Range of values.

**<dot1q-tag-except> (configuration/logical-systems/firewall/  
family/ethernet-switching/filter/term/from)**

---

**Usage**   <configuration>  
          <logical-systems>  
          <firewall>  
          <family>  
          <ethernet-switching>  
          <filter>  
          <term>  
          <from>  
            **<dot1q-tag-except>**  
              <name>name</name>    <!-- identifier -->  
            **</dot1q-tag-except>**  
          </from>  
          </term>  
          </filter>  
          </ethernet-switching>  
          </family>  
          </firewall>  
          </logical-systems>  
          </configuration>

**Description**   Do not match Dot1Q Tag Value.

**Contents**   <name>—Range of values.

## **<dot1q-user-priority> (configuration/firewall/family/ethernet-switching/filter/term/from)**

---

**Usage**   <configuration>  
           <firewall>  
           <family>  
           <ethernet-switching>  
           <filter>  
           <term>  
           <from>  
               **<dot1q-user-priority>**  
                   <name>*name*</name>   <!-- identifier -->  
               **</dot1q-user-priority>**  
           </from>  
           </term>  
           </filter>  
           </ethernet-switching>  
           </family>  
           </firewall>  
         </configuration>

**Description**   Match Dot1 Q user priority.

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

- background—Background.
- best-effort—Best effort.
- controlled-load—Controlled load.
- excellent-load—Excellent load.
- network-control—Network control reserved traffic.
- range—Value.
- standard—Standard / spare.
- video—Video.
- voice—Voice.

## **<dot1q-user-priority> (configuration/logical-systems/firewall/family/ethernet-switching/filter/term/from)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <ethernet-switching>
          <filter>
            <term>
              <from>
                <dot1q-user-priority>
                  <name>name</name>    <!-- identifier -->
                </dot1q-user-priority>
              </from>
            </term>
          </filter>
        </ethernet-switching>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Match Dot1Q user priority.

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

- background—Background.
- best-effort—Best effort.
- controlled-load—Controlled load.
- excellent-load—Excellent load.
- network-control—Network control reserved traffic.
- range—Value.
- standard—Standard / spare.
- video—Video.
- voice—Voice.

## **<dot1q-user-priority-except> (configuration/firewall/family/ethernet-switching/filter/term/from)**

---

**Usage**   <configuration>  
           <firewall>  
           <family>  
           <ethernet-switching>  
           <filter>  
           <term>  
           <from>  
               **<dot1q-user-priority-except>**  
                   <name>*name*</name>   <!-- identifier -->  
               **</dot1q-user-priority-except>**  
           </from>  
           </term>  
           </filter>  
           </ethernet-switching>  
           </family>  
           </firewall>  
         </configuration>

**Description**   Do not match Dot1Q user priority.

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

- background—Background.
- best-effort—Best effort.
- controlled-load—Controlled load.
- excellent-load—Excellent load.
- network-control—Network control reserved traffic.
- range—Value.
- standard—Standard / spare.
- video—Video.
- voice—Voice.

## **<dot1q-user-priority-except> (configuration/logical-systems/firewall/family/ethernet-switching/filter/term/from)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <ethernet-switching>
          <filter>
            <term>
              <from>
                <dot1q-user-priority-except>
                  <name>name</name>    <!-- identifier -->
                </dot1q-user-priority-except>
              </from>
            </term>
          </filter>
        </ethernet-switching>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Do not match Dot1Q user priority.

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

- background—Background.
- best-effort—Best effort.
- controlled-load—Controlled load.
- excellent-load—Excellent load.
- network-control—Network control reserved traffic.
- range—Value.
- standard—Standard / spare.
- video—Video.
- voice—Voice.



**<dot1x> (configuration/logical-systems/protocols)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;protocols&gt;       &lt;dot1x&gt;         &lt;traceoptions&gt;...&lt;/traceoptions&gt;         &lt;authenticator&gt;...&lt;/authenticator&gt;       &lt;/dot1x&gt;     &lt;/protocols&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	802.1X options.
<b>Contents</b>	<p>&lt;authenticator&gt;—802.1X authenticator options.</p> <p>&lt;traceoptions&gt;—Trace options for 802.1X.</p>

**<dot1x> (configuration/protocols)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;dot1x&gt;       &lt;traceoptions&gt;...&lt;/traceoptions&gt;       &lt;authenticator&gt;...&lt;/authenticator&gt;     &lt;/dot1x&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	802.1X options.
<b>Contents</b>	<p>&lt;authenticator&gt;—802.1X authenticator options.</p> <p>&lt;traceoptions&gt;—Trace options for 802.1X.</p>

## **<down> (configuration/services/pgcp/gateway/h248-options/ service-change/control-association-indications)**

---

**Usage**

```

<configuration>
  <services>
    <pgcp>
      <gateway>
        <h248-options>
          <service-change>
            <control-association-indications>
              <down>
                <administrative>administrative-choice</administrative>
                <failure>failure-choice</failure>
                <graceful>graceful-choice</graceful>
              </down>
            </control-association-indications>
          </service-change>
        </h248-options>
      </gateway>
    </pgcp>
  </services>
</configuration>

```

**Description** No documentation is available yet.

**Contents** <administrative>—Configure administrative service change.

- forced-905—Termination taken out of service.
- forced-908—Gateway impending failure.
- none—Suppress service change.

<failure>—Configure failure service change.

- forced-904—Termination malfunctioning.
- forced-908—Gateway impending failure.
- none—Suppress service change.

<graceful>—Configure graceful service change.

- graceful-905—Termination taken out of service.
- none—Suppress graceful-905 service change.

**<downlink-dscp-remapping> (configuration/services/ggsn/gtp)**

---

**Usage** <configuration>  
           <services>  
             <ggsn>  
               <gtp>  
                 **<downlink-dscp-remapping>**  
                   <conversational-1>...</conversational-1>  
                   <conversational-2>...</conversational-2>  
                   <streaming-1>...</streaming-1>  
                   <streaming-2>...</streaming-2>  
                   <interactive-1>...</interactive-1>  
                   <interactive-2>...</interactive-2>  
                   <interactive-3>...</interactive-3>  
                   <background>...</background>  
                 **</downlink-dscp-remapping>**  
               </gtp>  
             </ggsn>  
           </services>  
         </configuration>

**Description** Gn interface quality-of-service to DSCP remapping.

**Contents** <background>—DSCP name for background traffic.  
               <conversational-1>—DSCP name for conversational class 1 traffic.  
               <conversational-2>—DSCP name for conversational class 2 traffic.  
               <interactive-1>—DSCP name for interactive class 1 traffic.  
               <interactive-2>—DSCP name for interactive class 2 traffic.  
               <interactive-3>—DSCP name for interactive class 3 traffic.  
               <streaming-1>—DSCP name for streaming class 1 traffic.  
               <streaming-2>—DSCP name for streaming class 2 traffic.

## **<dr-register-policy> (configuration/logical-systems/protocols/pim/rp)**

---

**Usage** <configuration>  
     <logical-systems>  
         <protocols>  
             <pim>  
                 <rp>  
                     **<dr-register-policy>**  
                         <name>*name*</name>   <!-- identifier -->  
                     **</dr-register-policy>**  
                 </rp>  
             </pim>  
         </protocols>  
     </logical-systems>  
 </configuration>

**Description** DR policy applied to outgoing register messages.

**Contents** <name>—DR policy applied to outgoing register messages.

## **<dr-register-policy> (configuration/logical-systems/routing-instances/instance/protocols/pim/rp)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <protocols>  
                     <pim>  
                         <rp>  
                             **<dr-register-policy>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</dr-register-policy>**  
                         </rp>  
                     </pim>  
                 </protocols>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
 </configuration>

**Description** DR policy applied to outgoing register messages.

**Contents** <name>—DR policy applied to outgoing register messages.

**<dr-register-policy> (configuration/protocols/pim/rp)**

---

**Usage** <configuration>  
           <protocols>  
             <pim>  
               <rp>  
                 **<dr-register-policy>**  
                   <name>name</name>   <!-- identifier -->  
                 **</dr-register-policy>**  
               </rp>  
             </pim>  
           </protocols>  
         </configuration>

**Description** DR policy applied to outgoing register messages.

**Contents** <name>—DR policy applied to outgoing register messages.

**<dr-register-policy> (configuration/routing-instances/instance/protocols/pim/rp)**

---

**Usage** <configuration>  
           <routing-instances>  
             <instance>  
               <protocols>  
                 <pim>  
                   <rp>  
                     **<dr-register-policy>**  
                       <name>name</name>   <!-- identifier -->  
                     **</dr-register-policy>**  
                   </rp>  
                 </pim>  
               </protocols>  
             </instance>  
           </routing-instances>  
         </configuration>

**Description** DR policy applied to outgoing register messages.

**Contents** <name>—DR policy applied to outgoing register messages.

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;rule-space&gt;         &lt;drop-pending-authorization&gt;           &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;/drop-pending-authorization&gt;       &lt;/rule-space&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	List of service identifiers for which payload will dropped while waiting for authorization.
<b>Contents</b>	<name>—List of service identifiers for which payload will dropped while waiting for authorization.

## **<drop-probability> (configuration/class-of-service/drop-profiles/interpolate)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;class-of-service&gt;     &lt;drop-profiles&gt;       &lt;interpolate&gt;         &lt;drop-probability&gt;           &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;/drop-probability&gt;       &lt;/interpolate&gt;     &lt;/drop-profiles&gt;   &lt;/class-of-service&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Data points for packet drop probability.
<b>Contents</b>	<name>—Data points for packet drop probability.

## **<drop-probability> (configuration/dynamic-profiles/ class-of-service/drop-profiles/interpolate)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <class-of-service>  
           <drop-profiles>  
           <interpolate>  
             **<drop-probability>**  
               <name>*name*</name>   <!-- identifier -->  
             **</drop-probability>**  
           </interpolate>  
         </drop-profiles>  
       </class-of-service>  
     </dynamic-profiles>  
 </configuration>

**Description**   Data points for packet drop probability.

**Contents**    <name>—Data points for packet drop probability.

**<drop-profile-map> (configuration/class-of-service/schedulers)**

---

**Usage** <configuration>  
           <class-of-service>  
             <schedulers>  
               **<drop-profile-map>**  
                 <loss-priority>*loss-priority-choice*</loss-priority>   <!-- identifier -->  
                 <protocol>*protocol-choice*</protocol>   <!-- identifier -->  
                 <drop-profile>*drop-profile*</drop-profile>   <!-- mandatory -->  
               **</drop-profile-map>**  
             </schedulers>  
           </class-of-service>  
         </configuration>

**Description** Assign drop profile to a loss priority and protocol.

**Contents** <drop-profile>—Name of drop profile to apply.

<loss-priority>—Loss priority value.

- any—Ignore loss priority when assigning drop profile.
- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.

<protocol>—Protocol type.

- any—Ignore protocol type when assigning drop profile.
- non-tcp—Non-TCP protocols only.
- tcp—TCP protocol only.



## **<drop-profile-map> (configuration/dynamic-profiles/class-of-service/schedulers)**

---

**Usage** <configuration>  
     <dynamic-profiles>  
         <class-of-service>  
             <schedulers>  
                 **<drop-profile-map>**  
                     <loss-priority>*loss-priority-choice*</loss-priority>   <!-- identifier -->  
                     <protocol>*protocol-choice*</protocol>   <!-- identifier -->  
                     <drop-profile>*drop-profile*</drop-profile>   <!-- mandatory -->  
                 **</drop-profile-map>**  
             </schedulers>  
         </class-of-service>  
     </dynamic-profiles>  
</configuration>

**Description** Assign drop profile to a loss priority and protocol.

**Contents** <drop-profile>—Name of drop profile to apply.

<loss-priority>—Loss priority value.

- any—Ignore loss priority when assigning drop profile.
- high—Loss priority high.
- low—Loss priority low.
- medium-high—Loss priority medium-high.
- medium-low—Loss priority medium-low.

<protocol>—Protocol type.

- any—Ignore protocol type when assigning drop profile.
- non-tcp—Non-TCP protocols only.
- tcp—TCP protocol only.

**<drop-profiles> (configuration/class-of-service)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;class-of-service&gt;     &lt;drop-profiles&gt;       &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;       &lt;fill-level&gt;...&lt;/fill-level&gt;       &lt;interpolate&gt;...&lt;/interpolate&gt;     &lt;/drop-profiles&gt;   &lt;/class-of-service&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Random Early Drop (RED) data point map.
<b>Contents</b>	<p>&lt;fill-level&gt;—Fill-level value of data point.</p> <p>&lt;interpolate&gt;—Data points interpolated.</p> <p>&lt;name&gt;—Drop profile name.</p>

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;dynamic-profiles&gt;     &lt;class-of-service&gt;       &lt;drop-profiles&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;fill-level&gt;...&lt;/fill-level&gt;         &lt;interpolate&gt;...&lt;/interpolate&gt;       &lt;/drop-profiles&gt;     &lt;/class-of-service&gt;   &lt;/dynamic-profiles&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Random Early Drop (RED) data point map.
<b>Contents</b>	<p>&lt;fill-level&gt;—Fill-level value of data point.</p> <p>&lt;interpolate&gt;—Data points interpolated.</p> <p>&lt;name&gt;—Drop profile name.</p>

## <ds0-options> (configuration/dynamic-profiles/interfaces/interface)

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
             <ds0-options>  
               <loopback>loopback-choice</loopback>  
               <byte-encoding>byte-encoding-choice</byte-encoding>  
               <invert-data/>  
               <fcs>fcs-choice</fcs>  
               <idle-cycle-flag>idle-cycle-flag-choice</idle-cycle-flag>  
               <start-end-flag>start-end-flag-choice</start-end-flag>  
               <bert-algorithm>bert-algorithm-choice</bert-algorithm>  
               <bert-error-rate>bert-error-rate</bert-error-rate>  
               <bert-period>seconds</bert-period>  
             </ds0-options>  
           </interface>  
         </interfaces>  
       </dynamic-profiles>  
     </configuration>

**Description** DS-0 interface-specific options.

**Contents** <bert-algorithm>—Set BERT algorithm.

- all-ones-repeating—Repeating one bits.
- all-zeros-repeating—Repeating zero bits.
- alternating-double-ones-zeros—Alternating pairs of ones and zeros.
- alternating-ones-zeros—Alternating ones and zeros.
- pseudo-2e11-o152—Pattern is  $2^{11} - 1$  (per O.152 standard).
- pseudo-2e15-o151—Pattern is  $2^{15} - 1$  (per O.151 standard).
- pseudo-2e20-o151—Pattern is  $2^{20} - 1$  (per O.151 standard).
- pseudo-2e20-o153—Pattern is  $2^{20} - 1$  (per O.153 standard).
- repeating-1-in-16—1 bit in 16 is set.
- repeating-1-in-4—1 bit in 4 is set.
- repeating-1-in-8—1 bit in 8 is set.
- repeating-3-in-24—3 bits in 24 are set.

<bert-error-rate>—Bit error rate ( $10^{-n}$  for  $n > 0$ , and zero for  $n = 0$ ).

<bert-period>—Length of BERT test.

<byte-encoding>—Byte encoding.

- nx56—7 bits per byte.
- nx64—8 bits per byte.

<fcs>—Frame checksum.

- 16—16-bit mode.
- 32—32-bit mode.

<idle-cycle-flag>—Value to transmit in idle cycles.

- flags—Transmit 0x7E in idle cycles.
- ones—Transmit 0xFF (all ones) in idle cycles.

<invert-data>—Invert data.

<loopback>—Loopback mode.

- payload—Payload loopback.

<start-end-flag>—Set start/end flags on transmission.

- filler—Send two idle cycles between start/end flags.
- shared—Share start/end flags on transmit.

**<ds0-options> (configuration/interfaces/interface)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               **<ds0-options>**  
                 <loopback>loopback-choice</loopback>  
                 <byte-encoding>byte-encoding-choice</byte-encoding>  
                 <invert-data/>  
                 <fcs>fcs-choice</fcs>  
                 <idle-cycle-flag>idle-cycle-flag-choice</idle-cycle-flag>  
                 <start-end-flag>start-end-flag-choice</start-end-flag>  
                 <bert-algorithm>bert-algorithm-choice</bert-algorithm>  
                 <bert-error-rate>bert-error-rate</bert-error-rate>  
                 <bert-period>seconds</bert-period>  
               **</ds0-options>**  
             </interface>  
           </interfaces>  
   </configuration>

**Description** DS-0 interface-specific options.

**Contents** <bert-algorithm>—Set BERT algorithm.

- all-ones-repeating—Repeating one bits.
- all-zeros-repeating—Repeating zero bits.
- alternating-double-ones-zeros—Alternating pairs of ones and zeros.
- alternating-ones-zeros—Alternating ones and zeros.
- pseudo-2e11-o152—Pattern is  $2^{11} - 1$  (per O.152 standard).
- pseudo-2e15-o151—Pattern is  $2^{15} - 1$  (per O.151 standard).
- pseudo-2e20-o151—Pattern is  $2^{20} - 1$  (per O.151 standard).
- pseudo-2e20-o153—Pattern is  $2^{20} - 1$  (per O.153 standard).
- repeating-1-in-16—1 bit in 16 is set.
- repeating-1-in-4—1 bit in 4 is set.
- repeating-1-in-8—1 bit in 8 is set.
- repeating-3-in-24—3 bits in 24 are set.

<bert-error-rate>—Bit error rate ( $10^{-n}$  for  $n > 0$ , and zero for  $n = 0$ ).

<bert-period>—Length of BERT test.

<byte-encoding>—Byte encoding.

- nx56—7 bits per byte.

- `nx64`—8 bits per byte.

`<fcs>`—Frame checksum.

- `16`—16-bit mode.
- `32`—32-bit mode.

`<idle-cycle-flag>`—Value to transmit in idle cycles.

- `flags`—Transmit 0x7E in idle cycles.
- `ones`—Transmit 0xFF (all ones) in idle cycles.

`<invert-data>`—Invert data.

`<loopback>`—Loopback mode.

- `payload`—Payload loopback.

`<start-end-flag>`—Set start/end flags on transmission.

- `filler`—Send two idle cycles between start/end flags.
- `shared`—Share start/end flags on transmit.

**<ds1> (configuration/chassis/alarm)**

---

- Usage** `<configuration>`  
     `<chassis>`  
         `<alarm>`  
             **<ds1>**  
                 `<ais>ais-choice</ais>`  
                 `<ylw>ylw-choice</ylw>`  
             **</ds1>**  
         `</alarm>`  
     `</chassis>`  
`</configuration>`
- Description** DS1 alarms.
- Contents** `<ais>`—Alarm indicator signal.
- `ignore`—Do not assert any alarm signals.
  - `red`—Assert red system alarm.
  - `yellow`—Assert yellow system alarm.
- `<ylw>`—Yellow alarm.
- `ignore`—Do not assert any alarm signals.
  - `red`—Assert red system alarm.
  - `yellow`—Assert yellow system alarm.

**<dscp> (configuration/class-of-service/classifiers)**

---

- Usage** `<configuration>`  
     `<class-of-service>`  
         `<classifiers>`  
             **<dscp>**  
                 `<name>name</name>`   `<!-- identifier -->`  
                 `<import>import</import>`  
                 `<forwarding-class>...</forwarding-class>`  
             **</dscp>**  
         `</classifiers>`  
     `</class-of-service>`  
`</configuration>`
- Description** Differentiated Services code point classifier.
- Contents** `<forwarding-class>`—Define a classification of code point aliases.
- `<import>`—Include this classifier in this definition.
- `<name>`—Classifier name.

**<dscp> (configuration/class-of-service/code-point-aliases)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;class-of-service&gt;     &lt;code-point-aliases&gt;       &lt;dscp&gt;         &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;         &lt;bits&gt;bits&lt;/bits&gt;    &lt;!-- mandatory --&gt;       &lt;/dscp&gt;     &lt;/code-point-aliases&gt;   &lt;/class-of-service&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Differentiated Services code point aliases.
<b>Contents</b>	<p>&lt;bits&gt;—DSCP 6-bit pattern.</p> <p>&lt;name&gt;—DSCP alias name.</p>

**<dscp> (configuration/class-of-service/interfaces/interface/unit/classifiers)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;class-of-service&gt;     &lt;interfaces&gt;       &lt;interface&gt;         &lt;unit&gt;           &lt;classifiers&gt;             &lt;dscp&gt;               &lt;classifier-name&gt;classifier-name&lt;/classifier-name&gt;             &lt;/dscp&gt;           &lt;/classifiers&gt;         &lt;/unit&gt;       &lt;/interface&gt;     &lt;/interfaces&gt;   &lt;/class-of-service&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Differentiated Services code point classifier.
<b>Contents</b>	<classifier-name>—Name of classifier to be applied.



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

---

**Usage** <configuration>  
           <class-of-service>  
           <interfaces>  
           <interface>  
           <unit>  
           <rewrite-rules>  
             **<dscp>**  
               <name>*name*</name>   <!-- identifier -->  
               <protocol>...</protocol>  
             **</dscp>**  
           </rewrite-rules>  
         </unit>  
       </interface>  
     </interfaces>  
 </class-of-service>  
</configuration>

**Description** Differentiated Services code point rewrite rule.

**Contents** <name>—Name of rewrite rule to be applied.  
               <protocol>—Specify protocol matching criteria.

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

---

**Usage** <configuration>  
           <class-of-service>  
           <rewrite-rules>  
             **<dscp>**  
               <name>*name*</name>   <!-- identifier -->  
               <import>*import*</import>  
               <forwarding-class>...</forwarding-class>  
             **</dscp>**  
           </rewrite-rules>  
         </class-of-service>  
 </configuration>

**Description** Differentiated Services code point rewrite rule.

**Contents** <forwarding-class>—Markings for named forwarding class.  
               <import>—Include this rewrite rule in this definition.  
               <name>—Rewrite rule name.

## <dscp> (configuration/dynamic-profiles/class-of-service/classifiers)

---

**Usage** <configuration>  
     <dynamic-profiles>  
         <class-of-service>  
             <classifiers>  
                 <dscp>  
                     <name>name</name>   <!-- identifier -->  
                     <import>import</import>  
                     <forwarding-class>...</forwarding-class>  
                 </dscp>  
             </classifiers>  
         </class-of-service>  
     </dynamic-profiles>  
 </configuration>

**Description** Differentiated Services code point classifier.

**Contents** <forwarding-class>—Define a classification of code point aliases.  
     <import>—Include this classifier in this definition.  
     <name>—Classifier name.

## <dscp> (configuration/dynamic-profiles/class-of-service/code-point-aliases)

---

**Usage** <configuration>  
     <dynamic-profiles>  
         <class-of-service>  
             <code-point-aliases>  
                 <dscp>  
                     <name>name</name>   <!-- identifier -->  
                     <bits>bits</bits>   <!-- mandatory -->  
                 </dscp>  
             </code-point-aliases>  
         </class-of-service>  
     </dynamic-profiles>  
 </configuration>

**Description** Differentiated Services code point aliases.

**Contents** <bits>—DSCP 6-bit pattern.  
     <name>—DSCP alias name.

## **<dscp> (configuration/dynamic-profiles/class-of-service/interfaces/interface/unit/classifiers)**

---

**Usage** <configuration>  
     <dynamic-profiles>  
         <class-of-service>  
             <interfaces>  
                 <interface>  
                     <unit>  
                         <classifiers>  
                             **<dscp>**  
                                 <classifier-name>*classifier-name*</classifier-name>  
                             **</dscp>**  
                         </classifiers>  
             </unit>  
         </interface>  
     </interfaces>  
     </class-of-service>  
 </dynamic-profiles>  
</configuration>

**Description** Differentiated Services code point classifier.

**Contents** <classifier-name>—Name of classifier to be applied.

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

---

**Usage** <configuration>  
     <dynamic-profiles>  
         <class-of-service>  
             <interfaces>  
                 <interface>  
                     <unit>  
                         <rewrite-rules>  
                             **<dscp>**  
                                 <name>*name*</name>   <!-- identifier -->  
                                 <protocol>...</protocol>  
                             **</dscp>**  
                         </rewrite-rules>  
             </unit>  
         </interface>  
     </interfaces>  
     </class-of-service>  
 </dynamic-profiles>  
</configuration>

**Description** Differentiated Services code point rewrite rule.

**Contents** <name>—Name of rewrite rule to be applied.

<protocol>—Specify protocol matching criteria.

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

---

**Usage**   <configuration>  
          <dynamic-profiles>  
          <class-of-service>  
          <rewrite-rules>  
          **<dscp>**  
            <name>name</name>    <!-- identifier -->  
            <import>import</import>  
            <forwarding-class>...</forwarding-class>  
          **</dscp>**  
          </rewrite-rules>  
          </class-of-service>  
          </dynamic-profiles>  
          </configuration>

**Description**   Differentiated Services code point rewrite rule.

**Contents**   <forwarding-class>—Markings for named forwarding class.  
  
              <import>—Include this rewrite rule in this definition.  
  
              <name>—Rewrite rule name.

**<dscp> (configuration/firewall/family/bridge/filter/term/from)**

---

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

**Description** Match Differentiated Services (DiffServ) code point.

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

- af11—Assured forwarding class 1, low drop precedence.
- af12—Assured forwarding class 1, medium drop precedence.
- af13—Assured forwarding class 1, high drop precedence.
- af21—Assured forwarding class 2, low drop precedence.
- af22—Assured forwarding class 2, medium drop precedence.
- af23—Assured forwarding class 2, high drop precedence.
- af31—Assured forwarding class 3, low drop precedence.
- af32—Assured forwarding class 3, medium drop precedence.
- af33—Assured forwarding class 3, high drop precedence.
- af41—Assured forwarding class 4, low drop precedence.
- af42—Assured forwarding class 4, medium drop precedence.
- af43—Assured forwarding class 4, high drop precedence.
- be—Best effort (default).
- cs0—Class selector 0.
- cs1—Class selector 1.
- cs2—Class selector 2.

- **cs3**—Class selector 3.
- **cs4**—Class selector 4.
- **cs5**—Class selector 5.
- **cs6**—Class selector 6.
- **cs7**—Class selector 7.
- **ef**—Expedited forwarding.
- **range**—Range of values.

## **<dscp> (configuration/firewall/family/ethernet-switching/filter/term/from)**

---

**Usage** <configuration>  
     <firewall>  
         <family>  
             <ethernet-switching>  
                 <filter>  
                     <term>  
                         <from>  
                             **<dscp>**  
                                 <name>*name*</name>   <!-- identifier -->  
                             **</dscp>**  
                         </from>  
                     </term>  
                 </filter>  
             </ethernet-switching>  
         </family>  
     </firewall>  
</configuration>

**Description** Match Differentiated Services (DiffServ) code point.

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

- af11—Assured forwarding class 1, low drop precedence.
- af12—Assured forwarding class 1, medium drop precedence.
- af13—Assured forwarding class 1, high drop precedence.
- af21—Assured forwarding class 2, low drop precedence.
- af22—Assured forwarding class 2, medium drop precedence.
- af23—Assured forwarding class 2, high drop precedence.
- af31—Assured forwarding class 3, low drop precedence.
- af32—Assured forwarding class 3, medium drop precedence.
- af33—Assured forwarding class 3, high drop precedence.
- af41—Assured forwarding class 4, low drop precedence.
- af42—Assured forwarding class 4, medium drop precedence.
- af43—Assured forwarding class 4, high drop precedence.
- be—Best effort (default).
- cs0—Class selector 0.
- cs1—Class selector 1.

- **cs2**—Class selector 2.
- **cs3**—Class selector 3.
- **cs4**—Class selector 4.
- **cs5**—Class selector 5.
- **cs6**—Class selector 6.
- **cs7**—Class selector 7.
- **ef**—Expedited forwarding.
- **range**—Range of values.



**<dscp> (configuration/firewall/family/inet/filter/term/from)**

---

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

**Description** Match Differentiated Services (DiffServ) code point.

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

- af11—Assured forwarding class 1, low drop precedence.
- af12—Assured forwarding class 1, medium drop precedence.
- af13—Assured forwarding class 1, high drop precedence.
- af21—Assured forwarding class 2, low drop precedence.
- af22—Assured forwarding class 2, medium drop precedence.
- af23—Assured forwarding class 2, high drop precedence.
- af31—Assured forwarding class 3, low drop precedence.
- af32—Assured forwarding class 3, medium drop precedence.
- af33—Assured forwarding class 3, high drop precedence.
- af41—Assured forwarding class 4, low drop precedence.
- af42—Assured forwarding class 4, medium drop precedence.
- af43—Assured forwarding class 4, high drop precedence.
- be—Best effort (default).
- cs0—Class selector 0.
- cs1—Class selector 1.
- cs2—Class selector 2.

- **cs3**—Class selector 3.
- **cs4**—Class selector 4.
- **cs5**—Class selector 5.
- **cs6**—Class selector 6.
- **cs7**—Class selector 7.
- **ef**—Expedited forwarding.
- **range**—Range of values.

**<dscp> (configuration/firewall/family/vpls/filter/term/from)**

---

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

**Description** Match Differentiated Services (DiffServ) code point.

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

- af11—Assured forwarding class 1, low drop precedence.
- af12—Assured forwarding class 1, medium drop precedence.
- af13—Assured forwarding class 1, high drop precedence.
- af21—Assured forwarding class 2, low drop precedence.
- af22—Assured forwarding class 2, medium drop precedence.
- af23—Assured forwarding class 2, high drop precedence.
- af31—Assured forwarding class 3, low drop precedence.
- af32—Assured forwarding class 3, medium drop precedence.
- af33—Assured forwarding class 3, high drop precedence.
- af41—Assured forwarding class 4, low drop precedence.
- af42—Assured forwarding class 4, medium drop precedence.
- af43—Assured forwarding class 4, high drop precedence.
- be—Best effort (default).
- cs0—Class selector 0.
- cs1—Class selector 1.
- cs2—Class selector 2.

- **cs3**—Class selector 3.
- **cs4**—Class selector 4.
- **cs5**—Class selector 5.
- **cs6**—Class selector 6.
- **cs7**—Class selector 7.
- **ef**—Expedited forwarding.
- **range**—Range of values.

**<dscp> (configuration/firewall/filter/term/from)**

---

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

**Description** Match Differentiated Services (DiffServ) code point.

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

- af11—Assured forwarding class 1, low drop precedence.
- af12—Assured forwarding class 1, medium drop precedence.
- af13—Assured forwarding class 1, high drop precedence.
- af21—Assured forwarding class 2, low drop precedence.
- af22—Assured forwarding class 2, medium drop precedence.
- af23—Assured forwarding class 2, high drop precedence.
- af31—Assured forwarding class 3, low drop precedence.
- af32—Assured forwarding class 3, medium drop precedence.
- af33—Assured forwarding class 3, high drop precedence.
- af41—Assured forwarding class 4, low drop precedence.
- af42—Assured forwarding class 4, medium drop precedence.
- af43—Assured forwarding class 4, high drop precedence.
- be—Best effort (default).
- cs0—Class selector 0.
- cs1—Class selector 1.
- cs2—Class selector 2.
- cs3—Class selector 3.
- cs4—Class selector 4.

- **cs5**—Class selector 5.
- **cs6**—Class selector 6.
- **cs7**—Class selector 7.
- **ef**—Expedited forwarding.
- **range**—Range of values.

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

---

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

**Description** Match Differentiated Services (DiffServ) code point.

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

- af11—Assured forwarding class 1, low drop precedence.
- af12—Assured forwarding class 1, medium drop precedence.
- af13—Assured forwarding class 1, high drop precedence.
- af21—Assured forwarding class 2, low drop precedence.
- af22—Assured forwarding class 2, medium drop precedence.
- af23—Assured forwarding class 2, high drop precedence.
- af31—Assured forwarding class 3, low drop precedence.
- af32—Assured forwarding class 3, medium drop precedence.
- af33—Assured forwarding class 3, high drop precedence.
- af41—Assured forwarding class 4, low drop precedence.
- af42—Assured forwarding class 4, medium drop precedence.
- af43—Assured forwarding class 4, high drop precedence.
- be—Best effort (default).
- cs0—Class selector 0.

- **cs1**—Class selector 1.
- **cs2**—Class selector 2.
- **cs3**—Class selector 3.
- **cs4**—Class selector 4.
- **cs5**—Class selector 5.
- **cs6**—Class selector 6.
- **cs7**—Class selector 7.
- **ef**—Expedited forwarding.
- **range**—Range of values.



## **<dscp> (configuration/logical-systems/firewall/family/ethernet-switching/filter/term/from)**

---

**Usage** <configuration>  
     <logical-systems>  
         <firewall>  
             <family>  
                 <ethernet-switching>  
                     <filter>  
                         <term>  
                             <from>  
                                 **<dscp>**  
                                     <name>name</name>   <!-- identifier -->  
                                 **</dscp>**  
                             </from>  
                         </term>  
                     </filter>  
                 </ethernet-switching>  
             </family>  
         </firewall>  
     </logical-systems>  
 </configuration>

**Description** Match Differentiated Services (DiffServ) code point.

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

- af11—Assured forwarding class 1, low drop precedence.
- af12—Assured forwarding class 1, medium drop precedence.
- af13—Assured forwarding class 1, high drop precedence.
- af21—Assured forwarding class 2, low drop precedence.
- af22—Assured forwarding class 2, medium drop precedence.
- af23—Assured forwarding class 2, high drop precedence.
- af31—Assured forwarding class 3, low drop precedence.
- af32—Assured forwarding class 3, medium drop precedence.
- af33—Assured forwarding class 3, high drop precedence.
- af41—Assured forwarding class 4, low drop precedence.
- af42—Assured forwarding class 4, medium drop precedence.
- af43—Assured forwarding class 4, high drop precedence.
- be—Best effort (default).
- cs0—Class selector 0.

- **cs1**—Class selector 1.
- **cs2**—Class selector 2.
- **cs3**—Class selector 3.
- **cs4**—Class selector 4.
- **cs5**—Class selector 5.
- **cs6**—Class selector 6.
- **cs7**—Class selector 7.
- **ef**—Expedited forwarding.
- **range**—Range of values.

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

---

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

**Description** Match Differentiated Services (DiffServ) code point.

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

- af11—Assured forwarding class 1, low drop precedence.
- af12—Assured forwarding class 1, medium drop precedence.
- af13—Assured forwarding class 1, high drop precedence.
- af21—Assured forwarding class 2, low drop precedence.
- af22—Assured forwarding class 2, medium drop precedence.
- af23—Assured forwarding class 2, high drop precedence.
- af31—Assured forwarding class 3, low drop precedence.
- af32—Assured forwarding class 3, medium drop precedence.
- af33—Assured forwarding class 3, high drop precedence.
- af41—Assured forwarding class 4, low drop precedence.
- af42—Assured forwarding class 4, medium drop precedence.
- af43—Assured forwarding class 4, high drop precedence.
- be—Best effort (default).
- cs0—Class selector 0.

- **cs1**—Class selector 1.
- **cs2**—Class selector 2.
- **cs3**—Class selector 3.
- **cs4**—Class selector 4.
- **cs5**—Class selector 5.
- **cs6**—Class selector 6.
- **cs7**—Class selector 7.
- **ef**—Expedited forwarding.
- **range**—Range of values.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <vpls>
          <filter>
            <term>
              <from>
                <dscp>
                  <name>name</name>    <!-- identifier -->
                </dscp>
              </from>
            </term>
          </filter>
        </vpls>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Match Differentiated Services (DiffServ) code point.

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

- af11—Assured forwarding class 1, low drop precedence.
- af12—Assured forwarding class 1, medium drop precedence.
- af13—Assured forwarding class 1, high drop precedence.
- af21—Assured forwarding class 2, low drop precedence.
- af22—Assured forwarding class 2, medium drop precedence.
- af23—Assured forwarding class 2, high drop precedence.
- af31—Assured forwarding class 3, low drop precedence.
- af32—Assured forwarding class 3, medium drop precedence.
- af33—Assured forwarding class 3, high drop precedence.
- af41—Assured forwarding class 4, low drop precedence.
- af42—Assured forwarding class 4, medium drop precedence.
- af43—Assured forwarding class 4, high drop precedence.
- be—Best effort (default).
- cs0—Class selector 0.

- **cs1**—Class selector 1.
- **cs2**—Class selector 2.
- **cs3**—Class selector 3.
- **cs4**—Class selector 4.
- **cs5**—Class selector 5.
- **cs6**—Class selector 6.
- **cs7**—Class selector 7.
- **ef**—Expedited forwarding.
- **range**—Range of values.

**<dscp> (configuration/logical-systems/firewall/filter/term/from)**

---

**Usage** <configuration>  
           <logical-systems>  
             <firewall>  
               <filter>  
                 <term>  
                   <from>  
                     **<dscp>**  
                       <name>*name*</name>   <!-- identifier -->  
                     **</dscp>**  
                   </from>  
                 </term>  
               </filter>  
             </firewall>  
           </logical-systems>  
         </configuration>

**Description** Match Differentiated Services (DiffServ) code point.

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

- af11—Assured forwarding class 1, low drop precedence.
- af12—Assured forwarding class 1, medium drop precedence.
- af13—Assured forwarding class 1, high drop precedence.
- af21—Assured forwarding class 2, low drop precedence.
- af22—Assured forwarding class 2, medium drop precedence.
- af23—Assured forwarding class 2, high drop precedence.
- af31—Assured forwarding class 3, low drop precedence.
- af32—Assured forwarding class 3, medium drop precedence.
- af33—Assured forwarding class 3, high drop precedence.
- af41—Assured forwarding class 4, low drop precedence.
- af42—Assured forwarding class 4, medium drop precedence.
- af43—Assured forwarding class 4, high drop precedence.
- be—Best effort (default).
- cs0—Class selector 0.
- cs1—Class selector 1.
- cs2—Class selector 2.
- cs3—Class selector 3.

- cs4—Class selector 4.
- cs5—Class selector 5.
- cs6—Class selector 6.
- cs7—Class selector 7.
- ef—Expedited forwarding.
- range—Range of values.

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

---

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

**Description**   Differentiated Services (DiffServ) code point (DSCP).

**Contents**   <name>—Differentiated Services (DiffServ) code point (DSCP).



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

---

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

**Description** Differentiated Services (DiffServ) code point (DSCP).

**Contents** <name>—Differentiated Services (DiffServ) code point (DSCP).

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

---

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

**Description** Differentiated Services (DiffServ) code point (DSCP).

**Contents** <name>—Differentiated Services (DiffServ) code point (DSCP).

**<dscp> (configuration/routing-options/flow/route/match)**

---

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

**Description**   Differentiated Services (DiffServ) code point (DSCP).

**Contents**    <name>—Differentiated Services (DiffServ) code point (DSCP).

## **<dscp> (configuration/services/pgcp/gateway/h248-properties/diffserv)**

---

**Usage**   <configuration>  
           <services>  
           <pgcp>  
           <gateway>  
           <h248-properties>  
           <diffserv>  
           **<dscp>**  
           <default>default-choice</default>  
           **</dscp>**  
           </diffserv>  
           </h248-properties>  
           </gateway>  
           </pgcp>  
           </services>  
         </configuration>

**Description**   Differentiated Services code point (DSCP).

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

- af11—Assured forwarding class 1, low drop precedence.
- af12—Assured forwarding class 1, medium drop precedence.
- af13—Assured forwarding class 1, high drop precedence.
- af21—Assured forwarding class 2, low drop precedence.
- af22—Assured forwarding class 2, medium drop precedence.
- af23—Assured forwarding class 2, high drop precedence.
- af31—Assured forwarding class 3, low drop precedence.
- af32—Assured forwarding class 3, medium drop precedence.
- af33—Assured forwarding class 3, high drop precedence.
- af41—Assured forwarding class 4, low drop precedence.
- af42—Assured forwarding class 4, medium drop precedence.
- af43—Assured forwarding class 4, high drop precedence.
- be—Best effort (default).
- cs1—Class selector 1.
- cs2—Class selector 2.
- cs3—Class selector 3.

- **cs4**—Class selector 4.
- **cs5**—Class selector 5.
- **cs6**—Class selector 6.
- **cs7**—Class selector 7.
- **do-not-change**—Do not override dscp value.
- **dscp-value**—8 bits bit-string or hex value in the format 0xXX.
- **ef**—Expedited forwarding.
- **nc1**—Network control 1.
- **nc2**—Network control 2.

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

---

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

**Description** Do not match Differentiated Services (DiffServ) code point.

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

- af11—Assured forwarding class 1, low drop precedence.
- af12—Assured forwarding class 1, medium drop precedence.
- af13—Assured forwarding class 1, high drop precedence.
- af21—Assured forwarding class 2, low drop precedence.
- af22—Assured forwarding class 2, medium drop precedence.
- af23—Assured forwarding class 2, high drop precedence.
- af31—Assured forwarding class 3, low drop precedence.
- af32—Assured forwarding class 3, medium drop precedence.
- af33—Assured forwarding class 3, high drop precedence.
- af41—Assured forwarding class 4, low drop precedence.
- af42—Assured forwarding class 4, medium drop precedence.
- af43—Assured forwarding class 4, high drop precedence.
- be—Best effort (default).
- cs0—Class selector 0.
- cs1—Class selector 1.

- **cs2**—Class selector 2.
- **cs3**—Class selector 3.
- **cs4**—Class selector 4.
- **cs5**—Class selector 5.
- **cs6**—Class selector 6.
- **cs7**—Class selector 7.
- **ef**—Expedited forwarding.
- **range**—Range of values.

## **<dscp-except> (configuration/firewall/family/ethernet-switching/filter/term/from)**

---

**Usage**   <configuration>  
           <firewall>  
           <family>  
           <ethernet-switching>  
           <filter>  
           <term>  
           <from>  
               **<dscp-except>**  
                   <name>*name*</name>   <!-- identifier -->  
               **</dscp-except>**  
           </from>  
           </term>  
           </filter>  
           </ethernet-switching>  
           </family>  
           </firewall>  
         </configuration>

**Description**   Do not match Differentiated Services (DiffServ) code point.

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

- af11—Assured forwarding class 1, low drop precedence.
- af12—Assured forwarding class 1, medium drop precedence.
- af13—Assured forwarding class 1, high drop precedence.
- af21—Assured forwarding class 2, low drop precedence.
- af22—Assured forwarding class 2, medium drop precedence.
- af23—Assured forwarding class 2, high drop precedence.
- af31—Assured forwarding class 3, low drop precedence.
- af32—Assured forwarding class 3, medium drop precedence.
- af33—Assured forwarding class 3, high drop precedence.
- af41—Assured forwarding class 4, low drop precedence.
- af42—Assured forwarding class 4, medium drop precedence.
- af43—Assured forwarding class 4, high drop precedence.
- be—Best effort (default).
- cs0—Class selector 0.
- cs1—Class selector 1.

- **cs2**—Class selector 2.
- **cs3**—Class selector 3.
- **cs4**—Class selector 4.
- **cs5**—Class selector 5.
- **cs6**—Class selector 6.
- **cs7**—Class selector 7.
- **ef**—Expedited forwarding.
- **range**—Range of values.



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

---

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

**Description** Do not match Differentiated Services (DiffServ) code point.

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

- af11—Assured forwarding class 1, low drop precedence.
- af12—Assured forwarding class 1, medium drop precedence.
- af13—Assured forwarding class 1, high drop precedence.
- af21—Assured forwarding class 2, low drop precedence.
- af22—Assured forwarding class 2, medium drop precedence.
- af23—Assured forwarding class 2, high drop precedence.
- af31—Assured forwarding class 3, low drop precedence.
- af32—Assured forwarding class 3, medium drop precedence.
- af33—Assured forwarding class 3, high drop precedence.
- af41—Assured forwarding class 4, low drop precedence.
- af42—Assured forwarding class 4, medium drop precedence.
- af43—Assured forwarding class 4, high drop precedence.
- be—Best effort (default).
- cs0—Class selector 0.
- cs1—Class selector 1.

- **cs2**—Class selector 2.
- **cs3**—Class selector 3.
- **cs4**—Class selector 4.
- **cs5**—Class selector 5.
- **cs6**—Class selector 6.
- **cs7**—Class selector 7.
- **ef**—Expedited forwarding.
- **range**—Range of values.

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

---

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

**Description** Do not match Differentiated Services (DiffServ) code point.

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

- af11—Assured forwarding class 1, low drop precedence.
- af12—Assured forwarding class 1, medium drop precedence.
- af13—Assured forwarding class 1, high drop precedence.
- af21—Assured forwarding class 2, low drop precedence.
- af22—Assured forwarding class 2, medium drop precedence.
- af23—Assured forwarding class 2, high drop precedence.
- af31—Assured forwarding class 3, low drop precedence.
- af32—Assured forwarding class 3, medium drop precedence.
- af33—Assured forwarding class 3, high drop precedence.
- af41—Assured forwarding class 4, low drop precedence.
- af42—Assured forwarding class 4, medium drop precedence.
- af43—Assured forwarding class 4, high drop precedence.
- be—Best effort (default).
- cs0—Class selector 0.
- cs1—Class selector 1.

- **cs2**—Class selector 2.
- **cs3**—Class selector 3.
- **cs4**—Class selector 4.
- **cs5**—Class selector 5.
- **cs6**—Class selector 6.
- **cs7**—Class selector 7.
- **ef**—Expedited forwarding.
- **range**—Range of values.

**<dscp-except> (configuration/firewall/filter/term/from)**

---

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

**Description** Do not match Differentiated Services (DiffServ) code point.

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

- af11—Assured forwarding class 1, low drop precedence.
- af12—Assured forwarding class 1, medium drop precedence.
- af13—Assured forwarding class 1, high drop precedence.
- af21—Assured forwarding class 2, low drop precedence.
- af22—Assured forwarding class 2, medium drop precedence.
- af23—Assured forwarding class 2, high drop precedence.
- af31—Assured forwarding class 3, low drop precedence.
- af32—Assured forwarding class 3, medium drop precedence.
- af33—Assured forwarding class 3, high drop precedence.
- af41—Assured forwarding class 4, low drop precedence.
- af42—Assured forwarding class 4, medium drop precedence.
- af43—Assured forwarding class 4, high drop precedence.
- be—Best effort (default).
- cs0—Class selector 0.
- cs1—Class selector 1.
- cs2—Class selector 2.
- cs3—Class selector 3.
- cs4—Class selector 4.

- **cs5**—Class selector 5.
- **cs6**—Class selector 6.
- **cs7**—Class selector 7.
- **ef**—Expedited forwarding.
- **range**—Range of values.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <firewall>
      <family>
        <bridge>
          <filter>
            <term>
              <from>
                <dscp-except>
                  <name>name</name>    <!-- identifier -->
                </dscp-except>
              </from>
            </term>
          </filter>
        </bridge>
      </family>
    </firewall>
  </logical-systems>
</configuration>

```

**Description** Do not match Differentiated Services (DiffServ) code point.

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

- af11—Assured forwarding class 1, low drop precedence.
- af12—Assured forwarding class 1, medium drop precedence.
- af13—Assured forwarding class 1, high drop precedence.
- af21—Assured forwarding class 2, low drop precedence.
- af22—Assured forwarding class 2, medium drop precedence.
- af23—Assured forwarding class 2, high drop precedence.
- af31—Assured forwarding class 3, low drop precedence.
- af32—Assured forwarding class 3, medium drop precedence.
- af33—Assured forwarding class 3, high drop precedence.
- af41—Assured forwarding class 4, low drop precedence.
- af42—Assured forwarding class 4, medium drop precedence.
- af43—Assured forwarding class 4, high drop precedence.
- be—Best effort (default).
- cs0—Class selector 0.

- **cs1**—Class selector 1.
- **cs2**—Class selector 2.
- **cs3**—Class selector 3.
- **cs4**—Class selector 4.
- **cs5**—Class selector 5.
- **cs6**—Class selector 6.
- **cs7**—Class selector 7.
- **ef**—Expedited forwarding.
- **range**—Range of values.



## **<dscp-except> (configuration/logical-systems/firewall/family/ethernet-switching/filter/term/from)**

---

**Usage** <configuration>  
     <logical-systems>  
         <firewall>  
             <family>  
                 <ethernet-switching>  
                     <filter>  
                         <term>  
                             <from>  
                                 **<dscp-except>**  
                                     <name>*name*</name>   <!-- identifier -->  
                                 **</dscp-except>**  
                             </from>  
                         </term>  
                     </filter>  
                 </ethernet-switching>  
             </family>  
         </firewall>  
     </logical-systems>  
 </configuration>

**Description** Do not match Differentiated Services (DiffServ) code point.

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

- af11—Assured forwarding class 1, low drop precedence.
- af12—Assured forwarding class 1, medium drop precedence.
- af13—Assured forwarding class 1, high drop precedence.
- af21—Assured forwarding class 2, low drop precedence.
- af22—Assured forwarding class 2, medium drop precedence.
- af23—Assured forwarding class 2, high drop precedence.
- af31—Assured forwarding class 3, low drop precedence.
- af32—Assured forwarding class 3, medium drop precedence.
- af33—Assured forwarding class 3, high drop precedence.
- af41—Assured forwarding class 4, low drop precedence.
- af42—Assured forwarding class 4, medium drop precedence.
- af43—Assured forwarding class 4, high drop precedence.
- be—Best effort (default).
- cs0—Class selector 0.

- **cs1**—Class selector 1.
- **cs2**—Class selector 2.
- **cs3**—Class selector 3.
- **cs4**—Class selector 4.
- **cs5**—Class selector 5.
- **cs6**—Class selector 6.
- **cs7**—Class selector 7.
- **ef**—Expedited forwarding.
- **range**—Range of values.

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

---

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

**Description** Do not match Differentiated Services (DiffServ) code point.

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

- af11—Assured forwarding class 1, low drop precedence.
- af12—Assured forwarding class 1, medium drop precedence.
- af13—Assured forwarding class 1, high drop precedence.
- af21—Assured forwarding class 2, low drop precedence.
- af22—Assured forwarding class 2, medium drop precedence.
- af23—Assured forwarding class 2, high drop precedence.
- af31—Assured forwarding class 3, low drop precedence.
- af32—Assured forwarding class 3, medium drop precedence.
- af33—Assured forwarding class 3, high drop precedence.
- af41—Assured forwarding class 4, low drop precedence.
- af42—Assured forwarding class 4, medium drop precedence.
- af43—Assured forwarding class 4, high drop precedence.
- be—Best effort (default).
- cs0—Class selector 0.

- **cs1**—Class selector 1.
- **cs2**—Class selector 2.
- **cs3**—Class selector 3.
- **cs4**—Class selector 4.
- **cs5**—Class selector 5.
- **cs6**—Class selector 6.
- **cs7**—Class selector 7.
- **ef**—Expedited forwarding.
- **range**—Range of values.

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

---

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

**Description** Do not match Differentiated Services (DiffServ) code point.

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

- af11—Assured forwarding class 1, low drop precedence.
- af12—Assured forwarding class 1, medium drop precedence.
- af13—Assured forwarding class 1, high drop precedence.
- af21—Assured forwarding class 2, low drop precedence.
- af22—Assured forwarding class 2, medium drop precedence.
- af23—Assured forwarding class 2, high drop precedence.
- af31—Assured forwarding class 3, low drop precedence.
- af32—Assured forwarding class 3, medium drop precedence.
- af33—Assured forwarding class 3, high drop precedence.
- af41—Assured forwarding class 4, low drop precedence.
- af42—Assured forwarding class 4, medium drop precedence.
- af43—Assured forwarding class 4, high drop precedence.
- be—Best effort (default).
- cs0—Class selector 0.

- **cs1**—Class selector 1.
- **cs2**—Class selector 2.
- **cs3**—Class selector 3.
- **cs4**—Class selector 4.
- **cs5**—Class selector 5.
- **cs6**—Class selector 6.
- **cs7**—Class selector 7.
- **ef**—Expedited forwarding.
- **range**—Range of values.

## **<dscp-except> (configuration/logical-systems/firewall/filter/term/from)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <firewall>  
           <filter>  
           <term>  
           <from>  
               **<dscp-except>**  
                   <name>name</name>   <!-- identifier -->  
               **</dscp-except>**  
           </from>  
           </term>  
           </filter>  
           </firewall>  
           </logical-systems>  
         </configuration>

**Description**   Do not match Differentiated Services (DiffServ) code point.

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

- af11—Assured forwarding class 1, low drop precedence.
- af12—Assured forwarding class 1, medium drop precedence.
- af13—Assured forwarding class 1, high drop precedence.
- af21—Assured forwarding class 2, low drop precedence.
- af22—Assured forwarding class 2, medium drop precedence.
- af23—Assured forwarding class 2, high drop precedence.
- af31—Assured forwarding class 3, low drop precedence.
- af32—Assured forwarding class 3, medium drop precedence.
- af33—Assured forwarding class 3, high drop precedence.
- af41—Assured forwarding class 4, low drop precedence.
- af42—Assured forwarding class 4, medium drop precedence.
- af43—Assured forwarding class 4, high drop precedence.
- be—Best effort (default).
- cs0—Class selector 0.
- cs1—Class selector 1.
- cs2—Class selector 2.

- **cs3**—Class selector 3.
- **cs4**—Class selector 4.
- **cs5**—Class selector 5.
- **cs6**—Class selector 6.
- **cs7**—Class selector 7.
- **ef**—Expedited forwarding.
- **range**—Range of values.

## **<dscp-ipv6> (configuration/class-of-service/classifiers)**

---

**Usage**   <configuration>  
           <class-of-service>  
           <classifiers>  
           **<dscp-ipv6>**  
             <name>*name*</name>   <!-- identifier -->  
             <import>*import*</import>  
             <forwarding-class>...</forwarding-class>  
           **</dscp-ipv6>**  
           </classifiers>  
           </class-of-service>  
         </configuration>

**Description**   Differentiated Services code point classifier IPv6.

**Contents**   <forwarding-class>—Define a classification of code point aliases.  
               <import>—Include this classifier in this definition.  
               <name>—Classifier name.



**<dscp-ipv6> (configuration/class-of-service/code-point-aliases)**

---

**Usage** <configuration>  
     <class-of-service>  
         <code-point-aliases>  
             **<dscp-ipv6>**  
                 <name>*name*</name>   <!-- identifier -->  
                 <bits>*bits*</bits>   <!-- mandatory -->  
             **</dscp-ipv6>**  
         </code-point-aliases>  
     </class-of-service>  
 </configuration>

**Description** Differentiated Services code point aliases IPv6.

**Contents** <bits>—DSCP 6-bit pattern.  
             <name>—DSCP IPv6 alias name.

**<dscp-ipv6> (configuration/class-of-service/interfaces/interface/unit/classifiers)**

---

**Usage** <configuration>  
     <class-of-service>  
         <interfaces>  
             <interface>  
                 <unit>  
                     <classifiers>  
                         **<dscp-ipv6>**  
                             <classifier-name>*classifier-name*</classifier-name>  
                         **</dscp-ipv6>**  
                     </classifiers>  
                 </unit>  
             </interface>  
         </interfaces>  
     </class-of-service>  
 </configuration>

**Description** Differentiated Services code point classifier IPv6.

**Contents** <classifier-name>—Name of classifier to be applied.

## **<dscp-ipv6> (configuration/class-of-service/interfaces/interface/unit/rewrite-rules)**

---

**Usage** <configuration>  
     <class-of-service>  
         <interfaces>  
             <interface>  
                 <unit>  
                     <rewrite-rules>  
                         **<dscp-ipv6>**  
                             <rewrite-rule-name>*rewrite-rule-name*</rewrite-rule-name>  
                         **</dscp-ipv6>**  
                     </rewrite-rules>  
                 </unit>  
             </interface>  
         </interfaces>  
     </class-of-service>  
 </configuration>

**Description** Differentiated Services code point rewrite rule IPv6.

**Contents** <rewrite-rule-name>—Name of rewrite rule to be applied.

## **<dscp-ipv6> (configuration/class-of-service/rewrite-rules)**

---

**Usage** <configuration>  
     <class-of-service>  
         <rewrite-rules>  
             **<dscp-ipv6>**  
                 <name>*name*</name>   <!-- identifier -->  
                 <import>*import*</import>  
                 <forwarding-class>...</forwarding-class>  
             **</dscp-ipv6>**  
         </rewrite-rules>  
     </class-of-service>  
 </configuration>

**Description** Differentiated Services code point rewrite rule IPv6.

**Contents** <forwarding-class>—Markings for named forwarding class.

<import>—Include this rewrite rule in this definition.

<name>—Rewrite rule name.

## **<dscp-ipv6> (configuration/dynamic-profiles/class-of-service/classifiers)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;dynamic-profiles&gt;     &lt;class-of-service&gt;       &lt;classifiers&gt;         &lt;dscp-ipv6&gt;           &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;           &lt;import&gt;import&lt;/import&gt;           &lt;forwarding-class&gt;...&lt;/forwarding-class&gt;         &lt;/dscp-ipv6&gt;       &lt;/classifiers&gt;     &lt;/class-of-service&gt;   &lt;/dynamic-profiles&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Differentiated Services code point classifier IPv6.
<b>Contents</b>	<p>&lt;forwarding-class&gt;—Define a classification of code point aliases.</p> <p>&lt;import&gt;—Include this classifier in this definition.</p> <p>&lt;name&gt;—Classifier name.</p>

## **<dscp-ipv6> (configuration/dynamic-profiles/class-of-service/code-point-aliases)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;dynamic-profiles&gt;     &lt;class-of-service&gt;       &lt;code-point-aliases&gt;         &lt;dscp-ipv6&gt;           &lt;name&gt;name&lt;/name&gt;    &lt;!-- identifier --&gt;           &lt;bits&gt;bits&lt;/bits&gt;    &lt;!-- mandatory --&gt;         &lt;/dscp-ipv6&gt;       &lt;/code-point-aliases&gt;     &lt;/class-of-service&gt;   &lt;/dynamic-profiles&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Differentiated Services code point aliases IPv6.
<b>Contents</b>	<p>&lt;bits&gt;—DSCP 6-bit pattern.</p> <p>&lt;name&gt;—DSCP IPv6 alias name.</p>

## **<dscp-ipv6> (configuration/dynamic-profiles/class-of-service/interfaces/interface/unit/classifiers)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <class-of-service>  
           <interfaces>  
           <interface>  
           <unit>  
           <classifiers>  
           **<dscp-ipv6>**  
           <classifier-name>*classifier-name*</classifier-name>  
           **</dscp-ipv6>**  
           </classifiers>  
           </unit>  
           </interface>  
           </interfaces>  
           </class-of-service>  
           </dynamic-profiles>  
         </configuration>

**Description**   Differentiated Services code point classifier IPv6.

**Contents**    <classifier-name>—Name of classifier to be applied.

## **<dscp-ipv6> (configuration/dynamic-profiles/class-of-service/interfaces/interface/unit/rewrite-rules)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <class-of-service>  
           <interfaces>  
           <interface>  
           <unit>  
           <rewrite-rules>  
           **<dscp-ipv6>**  
           <rewrite-rule-name>*rewrite-rule-name*</rewrite-rule-name>  
           **</dscp-ipv6>**  
           </rewrite-rules>  
           </unit>  
           </interface>  
           </interfaces>  
           </class-of-service>  
           </dynamic-profiles>  
         </configuration>

**Description**   Differentiated Services code point rewrite rule IPv6.

**Contents**    <rewrite-rule-name>—Name of rewrite rule to be applied.

## **<dscp-ipv6> (configuration/dynamic-profiles/class-of-service/rewrite-rules)**

---

**Usage**   <configuration>  
           <dynamic-profiles>  
           <class-of-service>  
           <rewrite-rules>  
             **<dscp-ipv6>**  
               <name>name</name>   <!-- identifier -->  
               <import>import</import>  
               <forwarding-class>...</forwarding-class>  
             **</dscp-ipv6>**  
           </rewrite-rules>  
         </class-of-service>  
       </dynamic-profiles>  
     </configuration>

**Description**   Differentiated Services code point rewrite rule IPv6.

**Contents**   <forwarding-class>—Markings for named forwarding class.  
               <import>—Include this rewrite rule in this definition.  
               <name>—Rewrite rule name.

## <dsl-options> (configuration/dynamic-profiles/interfaces/interface)

---

**Usage**   <configuration>  
               <dynamic-profiles>  
               <interfaces>  
               <interface>  
                   <dsl-options>  
                   <operating-mode>*operating-mode-choice*</operating-mode>  
                   </dsl-options>  
               </interface>  
               </interfaces>  
               </dynamic-profiles>  
               </configuration>

**Description** DSL interface-specific options.

**Contents** <operating-mode>—DSL operating mode.

- adsl2plus—ITU G.992.5 mode.
- ansi-dmt—ANSI T1.413 Issue II mode.
- auto—Autonegotiate mode.
- etsi—ETSI TS 101 388 V1.3.1 mode.
- itu-annexb-non-ur2—ITU G.992.1 Non UR-2 mode.
- itu-annexb-ur2—ITU G.992.1 UR-2 mode.
- itu-dmt—ITU G.992.1 mode.
- itu-dmt-bis—ITU G.992.3 mode.

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

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               **<dsl-options>**  
                 <operating-mode>*operating-mode-choice*</operating-mode>  
               **</dsl-options>**  
             </interface>  
           </interfaces>  
         </configuration>

**Description** DSL interface-specific options.

**Contents** <operating-mode>—DSL operating mode.

- adsl2plus—ITU G.992.5 mode.
- ansi-dmt—ANSI T1.413 Issue II mode.
- auto—Autonegotiate mode.
- etsi—ETSI TS 101 388 V1.3.1 mode.
- itu-annexb-non-ur2—ITU G.992.1 Non UR-2 mode.
- itu-annexb-ur2—ITU G.992.1 UR-2 mode.
- itu-dmt—ITU G.992.1 mode.
- itu-dmt-bis—ITU G.992.3 mode.

## **<dte-options> (configuration/dynamic-profiles/interfaces/interface/serial-options)**

---

**Usage** <configuration>  
           <dynamic-profiles>  
           <interfaces>  
           <interface>  
           <serial-options>  
           **<dte-options>**  
           <ignore-all/>  
           <dtr>...</dtr>  
           <control-signal>control-signal-choice</control-signal>  
           <rts>rts-choice</rts>  
           <dcd>dcd-choice</dcd>  
           <dsr>dsr-choice</dsr>  
           <cts>cts-choice</cts>  
           <indication>indication-choice</indication>  
           <tm>tm-choice</tm>  
           **</dte-options>**  
           </serial-options>  
           </interface>  
           </interfaces>  
           </dynamic-profiles>  
         </configuration>

**Description** DTE options/control leads.

**Contents** <control-signal>—X.21 control signal handling.

- assert—Assert control signal.
- de-assert—Deassert control signal.
- normal—Normal control signal.

<cts>—Clear To Send signal handling.

- ignore—Ignore CTS signal.
- normal—Normal CTS signal.
- require—Require CTS signal.

<dcd>—Data Carrier Detect signal handling.

- ignore—Ignore DCD signal.
- normal—Normal DCD signal.
- require—Require DCD signal.

<dsr>—Data Set Ready signal handling.

- ignore—Ignore DSR signal.



- **normal**—Normal DSR signal.
  - **require**—Require DSR signal.
- <dt>—Data Transmit Ready signal handling.
- <ignore-all>—Ignore all control leads.
- <indication>—X.21 Indication signal handling.
- **ignore**—Ignore Indication signal.
  - **normal**—Normal Indication signal.
  - **require**—Require Indication signal.
- <rts>—Request To Send signal handling.
- **assert**—Assert RTS signal.
  - **de-assert**—Deassert RTS signal.
  - **normal**—Normal RTS signal.
- <tm>—Test Mode signal handling.
- **ignore**—Ignore TM signal.
  - **normal**—Normal TM signal.
  - **require**—Require TM signal.

**<dte-options> (configuration/interfaces/interface/serial-options)**

---

**Usage** <configuration>  
           <interfaces>  
             <interface>  
               <serial-options>  
                 **<dte-options>**  
                   <ignore-all/>  
                   <dtr>...</dtr>  
                   <control-signal>control-signal-choice</control-signal>  
                   <rts>rts-choice</rts>  
                   <dcd>dcd-choice</dcd>  
                   <dsr>dsr-choice</dsr>  
                   <cts>cts-choice</cts>  
                   <indication>indication-choice</indication>  
                   <tm>tm-choice</tm>  
                 **</dte-options>**  
               </serial-options>  
             </interface>  
           </interfaces>  
         </configuration>

**Description** DTE options/control leads.

**Contents** <control-signal>—X.21 control signal handling.

- assert—Assert control signal.
- de-assert—Deassert control signal.
- normal—Normal control signal.

<cts>—Clear To Send signal handling.

- ignore—Ignore CTS signal.
- normal—Normal CTS signal.
- require—Require CTS signal.

<dcd>—Data Carrier Detect signal handling.

- ignore—Ignore DCD signal.
- normal—Normal DCD signal.
- require—Require DCD signal.

<dsr>—Data Set Ready signal handling.

- ignore—Ignore DSR signal.
- normal—Normal DSR signal.
- require—Require DSR signal.

<dttr>—Data Transmit Ready signal handling.

<ignore-all>—Ignore all control leads.

<indication>—X.21 Indication signal handling.

- ignore—Ignore Indication signal.
- normal—Normal Indication signal.
- require—Require Indication signal.

<rts>—Request To Send signal handling.

- assert—Assert RTS signal.
- de-assert—Deassert RTS signal.
- normal—Normal RTS signal.

<tm>—Test Mode signal handling.

- ignore—Ignore TM signal.
- normal—Normal TM signal.
- require—Require TM signal.

**<dtr> (configuration/dynamic-profiles/interfaces/interface/serial-options/dte-options)**

---

**Usage** <configuration>  
    <dynamic-profiles>  
        <interfaces>  
            <interface>  
                <serial-options>  
                    <dte-options>  
                        **<dtr>**  
                            <assert/>  
                            <de-assert/>  
                            <normal/>  
                            <auto-synchronize>...</auto-synchronize>  
                        **</dtr>**  
                    </dte-options>  
                </serial-options>  
            </interface>  
        </interfaces>  
    </dynamic-profiles>  
</configuration>

**Description** Data Transmit Ready signal handling.

**Contents** <assert>—Assert DTR signal.

<auto-synchronize>—Normal DTR signal, with autoresynchronization.

<de-assert>—Deassert DTR signal.

<normal>—Normal DTR signal.

## **<dtr> (configuration/interfaces/interface/serial-options/dte-options)**

---

**Usage**   <configuration>  
               <interfaces>  
               <interface>  
               <serial-options>  
               <dte-options>  
               **<dtr>**  
                   <assert/>  
                   <de-assert/>  
                   <normal/>  
                   <auto-synchronize>...</auto-synchronize>  
               **</dtr>**  
               </dte-options>  
               </serial-options>  
               </interface>  
               </interfaces>  
               </configuration>

**Description**   Data Transmit Ready signal handling.

**Contents**   <assert>—Assert DTR signal.

              <auto-synchronize>—Normal DTR signal, with autoresynchronization.

              <de-assert>—Deassert DTR signal.

              <normal>—Normal DTR signal.

## **<duration-time> (configuration/services/ggsn/apn/service-based-charging/block-based-charging/profile/default-roaming-class)**

---

**Usage**

```

<configuration>
  <services>
    <ggsn>
      <apn>
        <service-based-charging>
          <block-based-charging>
            <profile>
              <default-roaming-class>
                <duration-time>
                  <resolution>seconds</resolution>
                </duration-time>
              </default-roaming-class>
            </profile>
          </block-based-charging>
        </service-based-charging>
      </apn>
    </ggsn>
  </services>
</configuration>

```

**Description** Duration time block settings.

**Contents** <resolution>—Time measurement resolution for duration.

## **<duration-time> (configuration/services/ggsn/apn/service-based-charging/block-based-charging/profile/roaming-class)**

---

**Usage**   <configuration>  
               <services>  
                   <ggsn>  
                       <apn>  
                           <service-based-charging>  
                               <block-based-charging>  
                                   <profile>  
                                       <roaming-class>  
   **<duration-time>**  
   <resolution>seconds</resolution>  
   **</duration-time>**  
                                       </roaming-class>  
                                   </profile>  
                               </block-based-charging>  
                           </service-based-charging>  
                       </apn>  
                   </ggsn>  
               </services>  
           </configuration>

**Description**   Duration time block settings.

**Contents**   <resolution>—Time measurement resolution for duration.

## <dvmrp> (configuration/logical-systems/protocols)

---

**Usage**   <configuration>  
          <logical-systems>  
          <protocols>  
          **<dvmrp>**  
          <disable/>  
          <traceoptions>...</traceoptions>  
          <rib-group>...</rib-group>  
          <import>...</import>  
          <export>...</export>  
          <interface>...</interface>  
          **</dvmrp>**  
          </protocols>  
          </logical-systems>  
          </configuration>

**Description**   DVMRP options.

**Contents**   <disable>—Disable DVMRP.

          <export>—Export policy.

          <import>—Import policy.

          <interface>—DVMRP interface options.

          <rib-group>—Routing table group.

          <traceoptions>—Trace options for DVMRP.



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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;protocols&gt;     &lt;dvmrp&gt;       &lt;disable/&gt;       &lt;traceoptions&gt;...&lt;/traceoptions&gt;       &lt;rib-group&gt;...&lt;/rib-group&gt;       &lt;import&gt;...&lt;/import&gt;       &lt;export&gt;...&lt;/export&gt;       &lt;interface&gt;...&lt;/interface&gt;     &lt;/dvmrp&gt;   &lt;/protocols&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	DVMRP options.
<b>Contents</b>	<p>&lt;disable&gt;—Disable DVMRP.</p> <p>&lt;export&gt;—Export policy.</p> <p>&lt;import&gt;—Import policy.</p> <p>&lt;interface&gt;—DVMRP interface options.</p> <p>&lt;rib-group&gt;—Routing table group.</p> <p>&lt;traceoptions&gt;—Trace options for DVMRP.</p>

**<dyn-constraints-test> (configuration/dynamic-profiles)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;dynamic-profiles&gt;     &lt;dyn-constraints-test&gt;       &lt;foo/&gt;       &lt;bar/&gt;       &lt;path-widget&gt;path-widget&lt;/path-widget&gt;       &lt;logical-widgets&gt;...&lt;/logical-widgets&gt;     &lt;/dyn-constraints-test&gt;   &lt;/dynamic-profiles&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	No documentation is available yet.
<b>Contents</b>	<p>&lt;bar&gt;—No documentation is available yet.</p> <p>&lt;foo&gt;—No documentation is available yet.</p> <p>&lt;logical-widgets&gt;—No documentation is available yet.</p> <p>&lt;path-widget&gt;—No documentation is available yet.</p>

**<dynamic> (configuration/security/ipsec/security-association)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;security&gt;     &lt;ipsec&gt;       &lt;security-association&gt;         &lt;dynamic&gt;           &lt;replay-window-size&gt;replay-window-size-choice&lt;/replay-window-size&gt;           &lt;ipsec-policy&gt;ipsec-policy&lt;/ipsec-policy&gt;         &lt;/dynamic&gt;       &lt;/security-association&gt;     &lt;/ipsec&gt;   &lt;/security&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Define a dynamic security association.
<b>Contents</b>	<p>&lt;ipsec-policy&gt;—Name of the IPSec policy.</p> <p>&lt;replay-window-size&gt;—Define replay protection window size.</p> <ul style="list-style-type: none"> <li>■ 32—32-packet window size.</li> <li>■ 64—64-packet window size.</li> </ul>

**<dynamic> (configuration/services/ggsn/apn/service-based-charging/policy-control)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;apn&gt;         &lt;service-based-charging&gt;           &lt;policy-control&gt;             &lt;dynamic&gt;               &lt;profile&gt;...&lt;/profile&gt;               &lt;gx-profile&gt;...&lt;/gx-profile&gt;               &lt;allow-external-update/&gt;             &lt;/dynamic&gt;           &lt;/policy-control&gt;         &lt;/service-based-charging&gt;       &lt;/apn&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Dynamic policy control.
<b>Contents</b>	<p>&lt;allow-external-update&gt;—Allow externally initiated update of rating information.</p> <p>&lt;gx-profile&gt;—Settings for standard and enhanced Gx.</p> <p>&lt;profile&gt;—Policy control dynamic profile.</p>

**<dynamic> (configuration/services/ipsec-vpn/rule/term/then)**

---

**Usage** <configuration>  
           <services>  
             <ipsec-vpn>  
               <rule>  
                 <term>  
                   <then>  
                     **<dynamic>**  
                       <ike-policy>*ike-policy*</ike-policy>   <!-- mandatory -->  
                       <ipsec-policy>*ipsec-policy*</ipsec-policy>  
                     **</dynamic>**  
                   </then>  
                 </term>  
               </rule>  
             </ipsec-vpn>  
           </services>  
         </configuration>

**Description** Define a dynamic security association.

**Contents** <ike-policy>—Name of the IKE policy.  
               <ipsec-policy>—Name of the IPSec policy.

**<dynamic-flow-capture> (configuration/services)**

---

**Usage** <configuration>  
           <services>  
             **<dynamic-flow-capture>**  
               <g-max-duplicates>*g-max-duplicates*</g-max-duplicates>  
               <g-duplicates-dropped-periodicity>*g-duplicates-dropped-periodicity*  
                   </g-duplicates-dropped-periodicity>  
               <capture-group>...</capture-group>  
               <traceoptions>...</traceoptions>  
             **</dynamic-flow-capture>**  
           </services>  
         </configuration>

**Description** Configure Dynamic Flow Capture parameters.

**Contents** <capture-group>—Configure DFC group parameters.  
               <g-duplicates-dropped-periodicity>—Periodicity of DuplicatesDropped notification in  
                   secs.  
               <g-max-duplicates>—Maximum content destinations for the capture group.  
               <traceoptions>—Trace options for dynamic-flow-capture service.

**<dynamic-home-assignment> (configuration/services/mobile-ip)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;mobile-ip&gt;       &lt;dynamic-home-assignment&gt;         &lt;home-agent&gt;...&lt;/home-agent&gt;       &lt;/dynamic-home-assignment&gt;     &lt;/mobile-ip&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Dynamic home agent rule for both HA and FA.
<b>Contents</b>	<home-agent>—Enter the host nai or domain.

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;services&gt;     &lt;ggsn&gt;       &lt;pic-allocation&gt;         &lt;dynamic-pics&gt;           &lt;number-of-ggsnc&gt;number-of-ggsnc&lt;/number-of-ggsnc&gt;           &lt;number-of-ggsnu&gt;number-of-ggsnu&lt;/number-of-ggsnu&gt;           &lt;number-of-ggsnt&gt;number-of-ggsnt&lt;/number-of-ggsnt&gt;         &lt;/dynamic-pics&gt;       &lt;/pic-allocation&gt;     &lt;/ggsn&gt;   &lt;/services&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	PICs with dynamic role capabilities.
<b>Contents</b>	<p>&lt;number-of-ggsnc&gt;—Number of GGSN-C PICs.</p> <p>&lt;number-of-ggsnt&gt;—Number of GGSN-T PICs.</p> <p>&lt;number-of-ggsnu&gt;—Number of GGSN-U PICs.</p>

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;bridge-domains&gt;     &lt;domain&gt;       &lt;forwarding-options&gt;         &lt;dhcp-relay&gt;           &lt;dynamic-profile&gt;             &lt;dynamic-profile&gt;<i>dynamic-profile</i>&lt;/dynamic-profile&gt;    &lt;!-- mandatory --&gt;             &lt;use-primary&gt;<i>use-primary</i>&lt;/use-primary&gt;             &lt;aggregate-clients/&gt;           &lt;/dynamic-profile&gt;         &lt;/dhcp-relay&gt;       &lt;/forwarding-options&gt;     &lt;/domain&gt;   &lt;/bridge-domains&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Dynamic profile to use.
<b>Contents</b>	<p>&lt;aggregate-clients&gt;—Aggregate client profiles.</p> <p>&lt;dynamic-profile&gt;—Dynamic profile to use.</p> <p>&lt;use-primary&gt;—Dynamic profile to use on the primary interface.</p>

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

---

**Usage** <configuration>  
     <bridge-domains>  
         <domain>  
             <forwarding-options>  
                 <dhcp-relay>  
                     <group>  
                         **<dynamic-profile>**  
                             <dynamic-profile>*dynamic-profile*  
                                 </dynamic-profile>   <!-- mandatory -->  
                             <use-primary>*use-primary*</use-primary>  
                             <aggregate-clients/>  
                         **</dynamic-profile>**  
                     </group>  
                 </dhcp-relay>  
             </forwarding-options>  
         </domain>  
     </bridge-domains>  
 </configuration>

**Description** Dynamic profile to use.

**Contents** <aggregate-clients>—Aggregate client profiles.

<dynamic-profile>—Dynamic profile to use.

<use-primary>—Dynamic profile to use on the primary interface.

## **<dynamic-profile> (configuration/forwarding-options/dhcp-relay)**

---

**Usage** <configuration>  
     <forwarding-options>  
         <dhcp-relay>  
             **<dynamic-profile>**  
                 <dynamic-profile>*dynamic-profile*</dynamic-profile>   <!-- mandatory -->  
                 <use-primary>*use-primary*</use-primary>  
                 <aggregate-clients/>  
             **</dynamic-profile>**  
         </dhcp-relay>  
     </forwarding-options>  
 </configuration>

**Description** Dynamic profile to use.

**Contents** <aggregate-clients>—Aggregate client profiles.

<dynamic-profile>—Dynamic profile to use.

<use-primary>—Dynamic profile to use on the primary interface.

## **<dynamic-profile> (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;dynamic-profile&gt;           &lt;dynamic-profile&gt;dynamic-profile&lt;/dynamic-profile&gt;    &lt;!-- mandatory --&gt;           &lt;use-primary&gt;use-primary&lt;/use-primary&gt;           &lt;aggregate-clients/&gt;         &lt;/dynamic-profile&gt;       &lt;/group&gt;     &lt;/dhcp-relay&gt;   &lt;/forwarding-options&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Dynamic profile to use.
<b>Contents</b>	<p>&lt;aggregate-clients&gt;—Aggregate client profiles.</p> <p>&lt;dynamic-profile&gt;—Dynamic profile to use.</p> <p>&lt;use-primary&gt;—Dynamic profile to use on the primary interface.</p>

## **<dynamic-profile> (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;dynamic-profile&gt;           &lt;dynamic-profile&gt;dynamic-profile&lt;/dynamic-profile&gt;    &lt;!-- mandatory --&gt;           &lt;use-primary&gt;use-primary&lt;/use-primary&gt;           &lt;aggregate-clients/&gt;         &lt;/dynamic-profile&gt;       &lt;/dhcp-relay&gt;     &lt;/forwarding-options&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Dynamic profile to use.
<b>Contents</b>	<p>&lt;aggregate-clients&gt;—Aggregate client profiles.</p> <p>&lt;dynamic-profile&gt;—Dynamic profile to use.</p> <p>&lt;use-primary&gt;—Dynamic profile to use on the primary interface.</p>

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

---

**Usage**   <configuration>  
          <logical-systems>  
          <forwarding-options>  
          <dhcp-relay>  
          <group>  
            **<dynamic-profile>**  
              <dynamic-profile>*dynamic-profile*</dynamic-profile>   <!-- mandatory -->  
              <use-primary>*use-primary*</use-primary>  
              <aggregate-clients/>  
            **</dynamic-profile>**  
          </group>  
          </dhcp-relay>  
          </forwarding-options>  
          </logical-systems>  
          </configuration>

**Description**   Dynamic profile to use.

**Contents**   <aggregate-clients>—Aggregate client profiles.  
  
              <dynamic-profile>—Dynamic profile to use.  
  
              <use-primary>—Dynamic profile to use on the primary interface.



## **<dynamic-profile> (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>  
           **<dynamic-profile>**  
           <dynamic-profile>*dynamic-profile*  
           </dynamic-profile>   <!-- mandatory -->  
           <use-primary>*use-primary*</use-primary>  
           <aggregate-clients/>  
           **</dynamic-profile>**  
           </dhcp-relay>  
           </forwarding-options>  
           </domain>  
           </bridge-domains>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
         </configuration>

**Description**   Dynamic profile to use.

**Contents**   <aggregate-clients>—Aggregate client profiles.

          <dynamic-profile>—Dynamic profile to use.

          <use-primary>—Dynamic profile to use on the primary interface.

## **<dynamic-profile> (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>
                  <dynamic-profile>
                    <dynamic-profile>dynamic-profile
                    </dynamic-profile>    <!-- mandatory -->
                    <use-primary>use-primary</use-primary>
                    <aggregate-clients/>
                  </dynamic-profile>
                </group>
              </dhcp-relay>
            </forwarding-options>
          </domain>
        </bridge-domains>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Dynamic profile to use.

**Contents** <aggregate-clients>—Aggregate client profiles.

<dynamic-profile>—Dynamic profile to use.

<use-primary>—Dynamic profile to use on the primary interface.

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

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <forwarding-options>  
           <dhcp-relay>  
           **<dynamic-profile>**  
           <dynamic-profile>*dynamic-profile*  
                                   </dynamic-profile>   <!-- mandatory -->  
           <use-primary>*use-primary*</use-primary>  
           <aggregate-clients/>  
           **</dynamic-profile>**  
           </dhcp-relay>  
           </forwarding-options>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
         </configuration>

**Description**   Dynamic profile to use.

**Contents**   <aggregate-clients>—Aggregate client profiles.

          <dynamic-profile>—Dynamic profile to use.

          <use-primary>—Dynamic profile to use on the primary interface.

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

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <forwarding-options>
          <dhcp-relay>
            <group>
              <dynamic-profile>
                <dynamic-profile>dynamic-profile
                  </dynamic-profile>    <!-- mandatory -->
                <use-primary>use-primary</use-primary>
                <aggregate-clients/>
              </dynamic-profile>
            </group>
          </dhcp-relay>
        </forwarding-options>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Dynamic profile to use.

**Contents** <aggregate-clients>—Aggregate client profiles.

<dynamic-profile>—Dynamic profile to use.

<use-primary>—Dynamic profile to use on the primary interface.

## **<dynamic-profile> (configuration/logical-systems/ routing-instances/instance/system/services/dhcp-local-server)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <system>  
           <services>  
           <dhcp-local-server>  
           **<dynamic-profile>**  
           <dynamic-profile>*dynamic-profile*  
           </dynamic-profile>   <!-- mandatory -->  
           <use-primary>*use-primary*</use-primary>  
           <aggregate-clients/>  
           **</dynamic-profile>**  
           </dhcp-local-server>  
           </services>  
           </system>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   Dynamic profile to use.

**Contents**   <aggregate-clients>—Aggregate client profiles.

          <dynamic-profile>—Dynamic profile to use.

          <use-primary>—Dynamic profile to use on the primary interface.

## **<dynamic-profile> (configuration/logical-systems/ routing-instances/instance/system/services/dhcp-local-server/ group)**

---

**Usage**

```

<configuration>
  <logical-systems>
    <routing-instances>
      <instance>
        <system>
          <services>
            <dhcp-local-server>
              <group>
                <dynamic-profile>
                <dynamic-profile>dynamic-profile
                  </dynamic-profile>    <!-- mandatory -->
                <use-primary>use-primary</use-primary>
                <aggregate-clients/>
                </dynamic-profile>
              </group>
            </dhcp-local-server>
          </services>
        </system>
      </instance>
    </routing-instances>
  </logical-systems>
</configuration>

```

**Description** Dynamic profile to use.

**Contents** <aggregate-clients>—Aggregate client profiles.

<dynamic-profile>—Dynamic profile to use.

<use-primary>—Dynamic profile to use on the primary interface.

## **<dynamic-profile> (configuration/logical-systems/system/services/dhcp-local-server)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;logical-systems&gt;     &lt;system&gt;       &lt;services&gt;         &lt;dhcp-local-server&gt;           <b>&lt;dynamic-profile&gt;</b>             &lt;dynamic-profile&gt;<i>dynamic-profile</i>&lt;/dynamic-profile&gt;    &lt;!-- mandatory --&gt;             &lt;use-primary&gt;<i>use-primary</i>&lt;/use-primary&gt;             &lt;aggregate-clients/&gt;           <b>&lt;/dynamic-profile&gt;</b>         &lt;/dhcp-local-server&gt;       &lt;/services&gt;     &lt;/system&gt;   &lt;/logical-systems&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Dynamic profile to use.
<b>Contents</b>	<p>&lt;aggregate-clients&gt;—Aggregate client profiles.</p> <p>&lt;dynamic-profile&gt;—Dynamic profile to use.</p> <p>&lt;use-primary&gt;—Dynamic profile to use on the primary interface.</p>

## **<dynamic-profile> (configuration/logical-systems/system/services/dhcp-local-server/group)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <system>  
           <services>  
           <dhcp-local-server>  
           <group>  
             **<dynamic-profile>**  
               <dynamic-profile>*dynamic-profile*  
               </dynamic-profile>   <!-- mandatory -->  
               <use-primary>*use-primary*</use-primary>  
               <aggregate-clients/>  
             **</dynamic-profile>**  
           </group>  
           </dhcp-local-server>  
           </services>  
           </system>  
           </logical-systems>  
         </configuration>

**Description**   Dynamic profile to use.

**Contents**   <aggregate-clients>—Aggregate client profiles.

          <dynamic-profile>—Dynamic profile to use.

          <use-primary>—Dynamic profile to use on the primary interface.



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

---

**Usage**   <configuration>  
               <routing-instances>  
                   <instance>  
                       <bridge-domains>  
                         <domain>  
                           <forwarding-options>  
                               <dhcp-relay>  
                                 **<dynamic-profile>**  
                                   <dynamic-profile>*dynamic-profile*  
                                       </dynamic-profile>   <!-- mandatory -->  
                                   <use-primary>*use-primary*</use-primary>  
                                   <aggregate-clients/>  
                                 **</dynamic-profile>**  
                               </dhcp-relay>  
                           </forwarding-options>  
                         </domain>  
                       </bridge-domains>  
                   </instance>  
               </routing-instances>  
           </configuration>

**Description**   Dynamic profile to use.

**Contents**   <aggregate-clients>—Aggregate client profiles.

              <dynamic-profile>—Dynamic profile to use.

              <use-primary>—Dynamic profile to use on the primary interface.

## **<dynamic-profile> (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>
                <dynamic-profile>
                <dynamic-profile>dynamic-profile
                </dynamic-profile>    <!-- mandatory -->
                <use-primary>use-primary</use-primary>
                <aggregate-clients/>
                </dynamic-profile>
              </group>
            </dhcp-relay>
          </forwarding-options>
        </domain>
      </bridge-domains>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Dynamic profile to use.

**Contents** <aggregate-clients>—Aggregate client profiles.

<dynamic-profile>—Dynamic profile to use.

<use-primary>—Dynamic profile to use on the primary interface.

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

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;routing-instances&gt;     &lt;instance&gt;       &lt;forwarding-options&gt;         &lt;dhcp-relay&gt;           <b>&lt;dynamic-profile&gt;</b>             &lt;dynamic-profile&gt;<i>dynamic-profile</i>&lt;/dynamic-profile&gt;    &lt;!-- mandatory --&gt;             &lt;use-primary&gt;<i>use-primary</i>&lt;/use-primary&gt;             &lt;aggregate-clients/&gt;           <b>&lt;/dynamic-profile&gt;</b>         &lt;/dhcp-relay&gt;       &lt;/forwarding-options&gt;     &lt;/instance&gt;   &lt;/routing-instances&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Dynamic profile to use.
<b>Contents</b>	<p>&lt;aggregate-clients&gt;—Aggregate client profiles.</p> <p>&lt;dynamic-profile&gt;—Dynamic profile to use.</p> <p>&lt;use-primary&gt;—Dynamic profile to use on the primary interface.</p>

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

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <forwarding-options>  
           <dhcp-relay>  
           <group>  
           **<dynamic-profile>**  
           <dynamic-profile>*dynamic-profile*  
                                   </dynamic-profile>   <!-- mandatory -->  
           <use-primary>*use-primary*</use-primary>  
           <aggregate-clients/>  
           **</dynamic-profile>**  
           </group>  
           </dhcp-relay>  
           </forwarding-options>  
           </instance>  
           </routing-instances>  
         </configuration>

**Description**   Dynamic profile to use.

**Contents**   <aggregate-clients>—Aggregate client profiles.

          <dynamic-profile>—Dynamic profile to use.

          <use-primary>—Dynamic profile to use on the primary interface.

## **<dynamic-profile> (configuration/routing-instances/instance/ system/services/dhcp-local-server)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <system>  
           <services>  
           <dhcp-local-server>  
           **<dynamic-profile>**  
           <dynamic-profile>*dynamic-profile*  
           </dynamic-profile>   <!-- mandatory -->  
           <use-primary>*use-primary*</use-primary>  
           <aggregate-clients/>  
           **</dynamic-profile>**  
           </dhcp-local-server>  
           </services>  
           </system>  
           </instance>  
           </routing-instances>  
           </configuration>

**Description**   Dynamic profile to use.

**Contents**   <aggregate-clients>—Aggregate client profiles.

          <dynamic-profile>—Dynamic profile to use.

          <use-primary>—Dynamic profile to use on the primary interface.

## **<dynamic-profile> (configuration/routing-instances/instance/system/services/dhcp-local-server/group)**

---

**Usage**

```

<configuration>
  <routing-instances>
    <instance>
      <system>
        <services>
          <dhcp-local-server>
            <group>
              <dynamic-profile>
                <dynamic-profile>dynamic-profile
                  </dynamic-profile>    <!-- mandatory -->
                <use-primary>use-primary</use-primary>
                <aggregate-clients/>
              </dynamic-profile>
            </group>
          </dhcp-local-server>
        </services>
      </system>
    </instance>
  </routing-instances>
</configuration>

```

**Description** Dynamic profile to use.

**Contents** <aggregate-clients>—Aggregate client profiles.

<dynamic-profile>—Dynamic profile to use.

<use-primary>—Dynamic profile to use on the primary interface.

## **<dynamic-profile> (configuration/system/services/dhcp-local-server)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;system&gt;     &lt;services&gt;       &lt;dhcp-local-server&gt;         &lt;dynamic-profile&gt;           &lt;dynamic-profile&gt;<i>dynamic-profile</i>&lt;/dynamic-profile&gt;    &lt;!-- mandatory --&gt;           &lt;use-primary&gt;<i>use-primary</i>&lt;/use-primary&gt;           &lt;aggregate-clients/&gt;         &lt;/dynamic-profile&gt;       &lt;/dhcp-local-server&gt;     &lt;/services&gt;   &lt;/system&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Dynamic profile to use.
<b>Contents</b>	<p>&lt;aggregate-clients&gt;—Aggregate client profiles.</p> <p>&lt;dynamic-profile&gt;—Dynamic profile to use.</p> <p>&lt;use-primary&gt;—Dynamic profile to use on the primary interface.</p>

## **<dynamic-profile> (configuration/system/services/dhcp-local-server/group)**

---

<b>Usage</b>	<pre> &lt;configuration&gt;   &lt;system&gt;     &lt;services&gt;       &lt;dhcp-local-server&gt;         &lt;group&gt;           &lt;dynamic-profile&gt;             &lt;dynamic-profile&gt;<i>dynamic-profile</i>&lt;/dynamic-profile&gt;    &lt;!-- mandatory --&gt;             &lt;use-primary&gt;<i>use-primary</i>&lt;/use-primary&gt;             &lt;aggregate-clients/&gt;           &lt;/dynamic-profile&gt;         &lt;/group&gt;       &lt;/dhcp-local-server&gt;     &lt;/services&gt;   &lt;/system&gt; &lt;/configuration&gt; </pre>
<b>Description</b>	Dynamic profile to use.
<b>Contents</b>	<p>&lt;aggregate-clients&gt;—Aggregate client profiles.</p> <p>&lt;dynamic-profile&gt;—Dynamic profile to use.</p> <p>&lt;use-primary&gt;—Dynamic profile to use on the primary interface.</p>

**<dynamic-profiles> (configuration)**

---

**Usage**   <configuration>  
           **<dynamic-profiles>**  
           <name>name</name>   <!-- identifier -->  
           <variables>...</variables>  
           <interfaces>...</interfaces>  
           <protocols>...</protocols>  
           <class-of-service>...</class-of-service>  
           <test>...</test>  
           <dyn-constraints-test>...</dyn-constraints-test>  
           **</dynamic-profiles>**  
         </configuration>

**Description**   Dynamic profiles configuration.

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

              <dyn-constraints-test>—No documentation is available yet.

              <interfaces>—Interface configuration.

              <name>—Name for dynamic profile.

              <protocols>—Routing protocol configuration.

              <test>—No documentation is available yet.

              <variables>—Dynamic variable configuration.



## **<dynamic-tunnel> (configuration/logical-systems/ routing-instances/instance/routing-options/dynamic-tunnels)**

---

**Usage**   <configuration>  
           <logical-systems>  
           <routing-instances>  
           <instance>  
           <routing-options>  
           <dynamic-tunnels>  
           **<dynamic-tunnel>**  
             <name>*name*</name>   <!-- identifier -->  
             <source-address>*source-address*  
               </source-address>   <!-- mandatory -->  
             <tunnel-type>*tunnel-type-choice*</tunnel-type>   <!-- mandatory -->  
             <destination-networks>...</destination-networks>  
           **</dynamic-tunnel>**  
           </dynamic-tunnels>  
           </routing-options>  
           </instance>  
           </routing-instances>  
           </logical-systems>  
           </configuration>

**Description**   No documentation is available yet.

**Contents**   <destination-networks>—Create tunnels for routes in these destination networks.

          <name>—Tunnel name.

          <source-address>—Tunnel source address.

          <tunnel-type>—Type of tunnel.

- gre—Generic routing encapsulation type for IPv4.

## **<dynamic-tunnel> (configuration/logical-systems/routing-options/dynamic-tunnels)**

---

**Usage**    <configuration>  
              <logical-systems>  
              <routing-options>  
              <dynamic-tunnels>  
                 **<dynamic-tunnel>**  
                  <name>name</name>    <!-- identifier -->  
                  <source-address>source-address</source-address>    <!-- mandatory -->  
                  <tunnel-type>tunnel-type-choice</tunnel-type>    <!-- mandatory -->  
                  <destination-networks>...</destination-networks>  
                 **</dynamic-tunnel>**  
              </dynamic-tunnels>  
              </routing-options>  
              </logical-systems>  
          </configuration>

**Description**    No documentation is available yet.

**Contents**    <destination-networks>—Create tunnels for routes in these destination networks.

                 <name>—Tunnel name.

                 <source-address>—Tunnel source address.

                 <tunnel-type>—Type of tunnel.

- gre—Generic routing encapsulation type for IPv4.

## **<dynamic-tunnel> (configuration/routing-instances/instance/routing-options/dynamic-tunnels)**

---

**Usage**   <configuration>  
           <routing-instances>  
           <instance>  
           <routing-options>  
           <dynamic-tunnels>  
             **<dynamic-tunnel>**  
               <name>*name*</name>   <!-- identifier -->  
               <source-address>*source-address*</source-address>   <!-- mandatory -->  
               <tunnel-type>*tunnel-type-choice*</tunnel-type>   <!-- mandatory -->  
               <destination-networks>...</destination-networks>  
             **</dynamic-tunnel>**  
           </dynamic-tunnels>  
         </routing-options>  
       </instance>  
     </routing-instances>  
 </configuration>

**Description**   No documentation is available yet.

**Contents**   <destination-networks>—Create tunnels for routes in these destination networks.

          <name>—Tunnel name.

          <source-address>—Tunnel source address.

          <tunnel-type>—Type of tunnel.

- gre—Generic routing encapsulation type for IPv4.

**<dynamic-tunnel> (configuration/routing-options/dynamic-tunnels)**

---

**Usage** <configuration>  
     <routing-options>  
         <dynamic-tunnels>  
             **<dynamic-tunnel>**  
                 <name>name</name>   <!-- identifier -->  
                 <source-address>source-address</source-address>   <!-- mandatory -->  
                 <tunnel-type>tunnel-type-choice</tunnel-type>   <!-- mandatory -->  
                 <destination-networks>...</destination-networks>  
             **</dynamic-tunnel>**  
         </dynamic-tunnels>  
     </routing-options>  
</configuration>

**Description** No documentation is available yet.

**Contents** <destination-networks>—Create tunnels for routes in these destination networks.

<name>—Tunnel name.

<source-address>—Tunnel source address.

<tunnel-type>—Type of tunnel.

- gre—Generic routing encapsulation type for IPv4.

**<dynamic-tunnels> (configuration/logical-systems/routing-instances/instance/routing-options)**

---

**Usage** <configuration>  
     <logical-systems>  
         <routing-instances>  
             <instance>  
                 <routing-options>  
                     **<dynamic-tunnels>**  
                         <traceoptions>...</traceoptions>  
                         <dynamic-tunnel>...</dynamic-tunnel>  
                     **</dynamic-tunnels>**  
                 </routing-options>  
             </instance>  
         </routing-instances>  
     </logical-systems>  
</configuration>

**Description** Dynamic tunnel definitions.

**Contents** <dynamic-tunnel>—No documentation is available yet.

<traceoptions>—Trace options.

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

---

- Usage** `<configuration>`  
     `<logical-systems>`  
         `<routing-options>`  
             **<dynamic-tunnels>**  
                 `<traceoptions>...</traceoptions>`  
                 `<dynamic-tunnel>...</dynamic-tunnel>`  
             **</dynamic-tunnels>**  
         `</routing-options>`  
     `</logical-systems>`  
`</configuration>`
- Description** Dynamic tunnel definitions.
- Contents** `<dynamic-tunnel>`—No documentation is available yet.
- `<traceoptions>`—Trace options.

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

---

- Usage** `<configuration>`  
     `<routing-instances>`  
         `<instance>`  
             `<routing-options>`  
                 **<dynamic-tunnels>**  
                     `<traceoptions>...</traceoptions>`  
                     `<dynamic-tunnel>...</dynamic-tunnel>`  
                 **</dynamic-tunnels>**  
             `</routing-options>`  
         `</instance>`  
     `</routing-instances>`  
`</configuration>`
- Description** Dynamic tunnel definitions.
- Contents** `<dynamic-tunnel>`—No documentation is available yet.
- `<traceoptions>`—Trace options.

## **<dynamic-tunnels> (configuration/routing-options)**

---

**Usage**   <configuration>  
          <routing-options>  
            **<dynamic-tunnels>**  
              <traceoptions>...</traceoptions>  
              <dynamic-tunnel>...</dynamic-tunnel>  
            **</dynamic-tunnels>**  
          </routing-options>  
        </configuration>

**Description**   Dynamic tunnel definitions.

**Contents**    <dynamic-tunnel>—No documentation is available yet.

              <traceoptions>—Trace options.